

FIG. 1

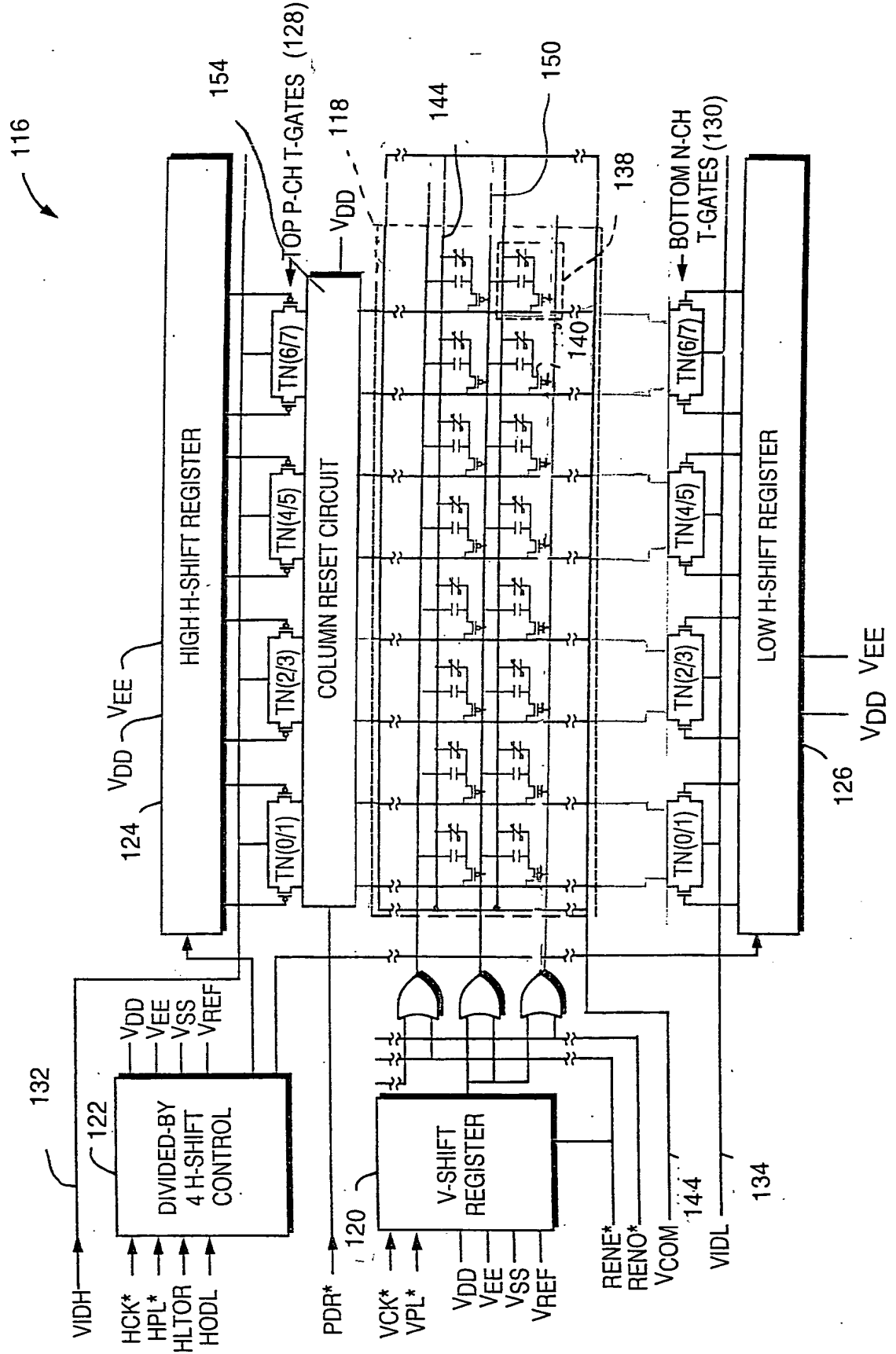


FIG. 2

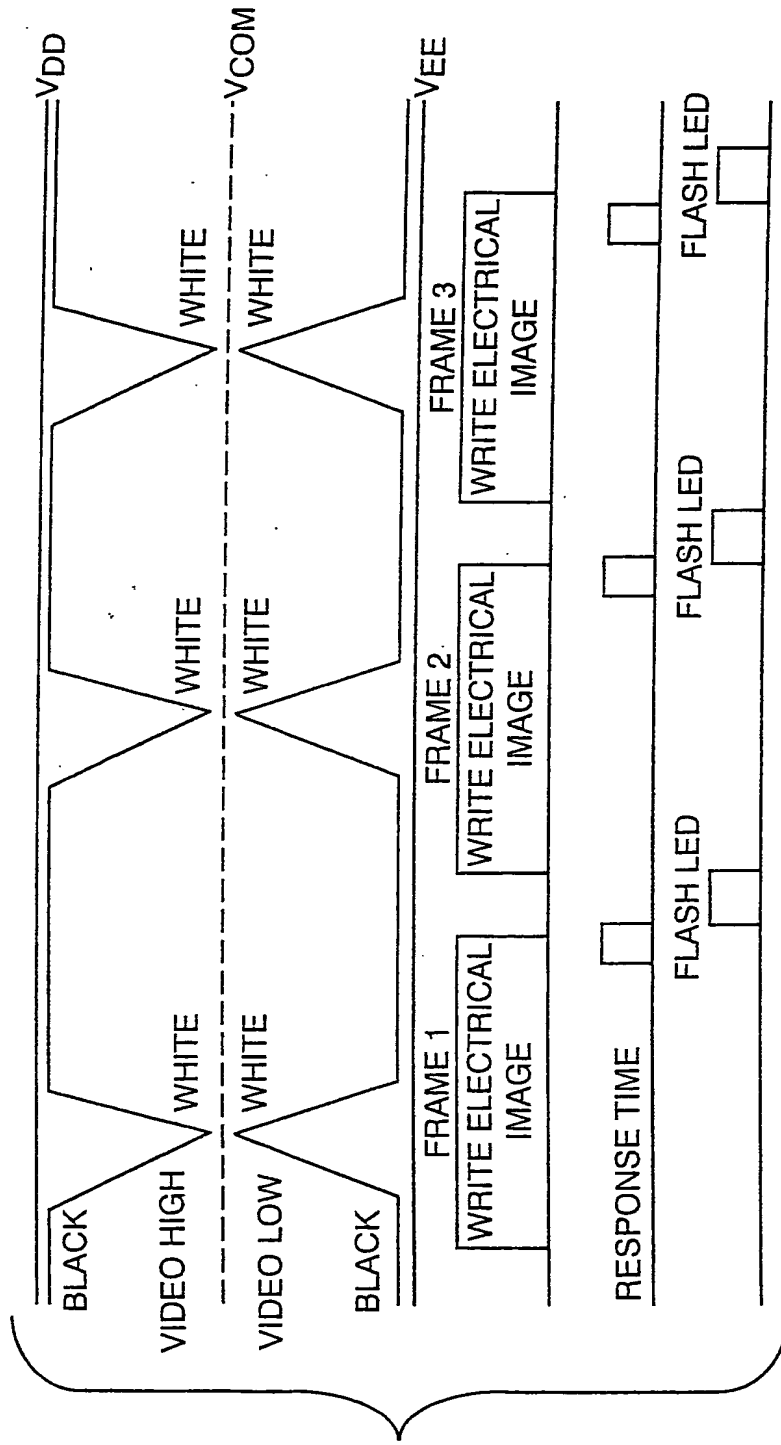


FIG. 3

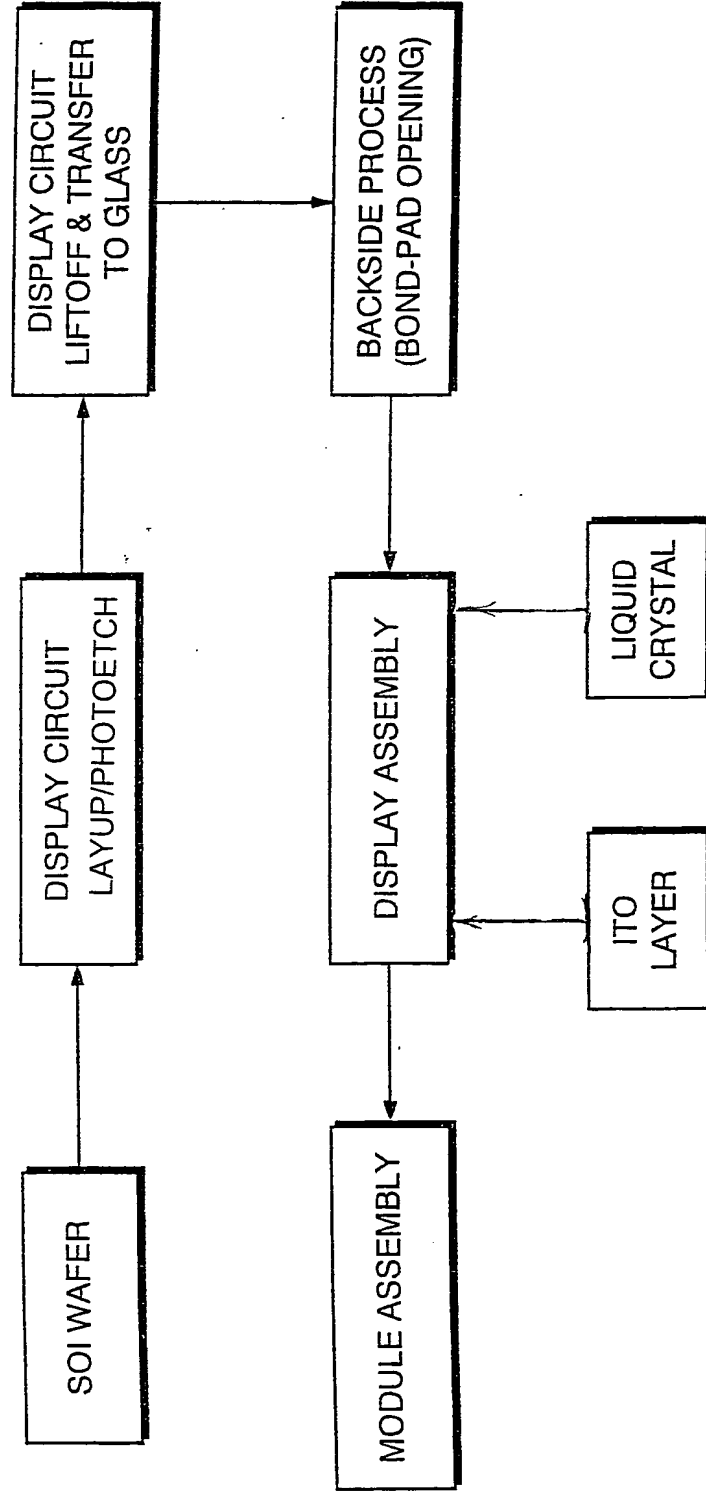


FIG. 4

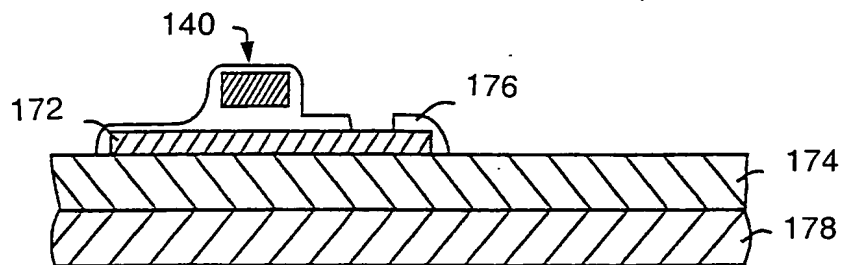


FIG. 5A

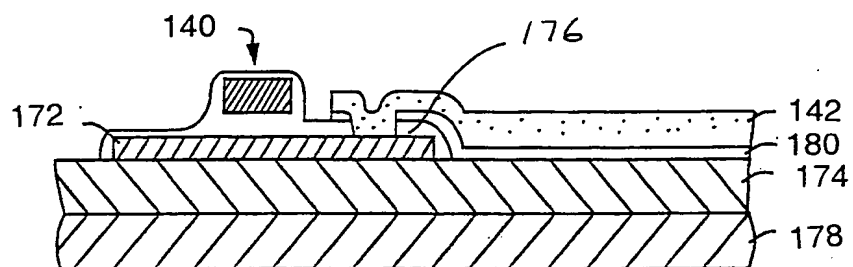


FIG. 5B

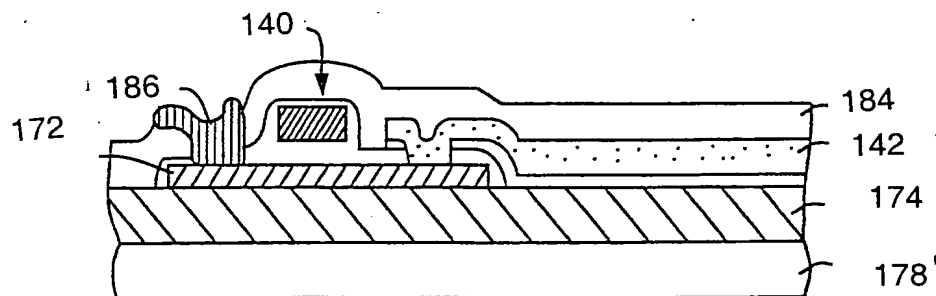


FIG. 5C

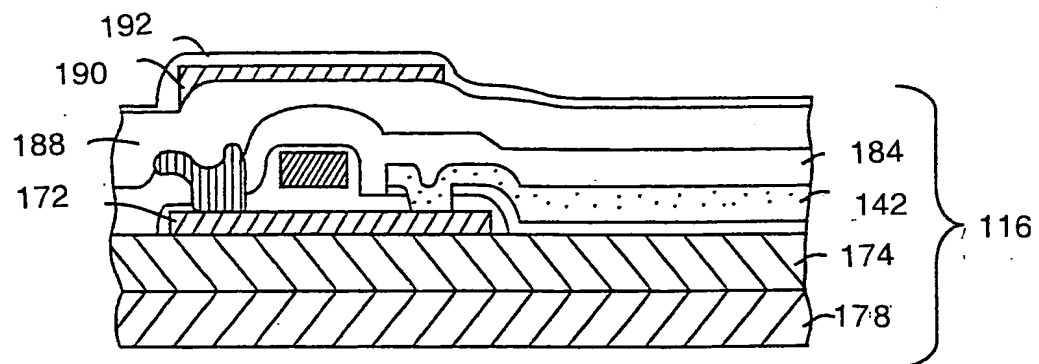


FIG. 5D

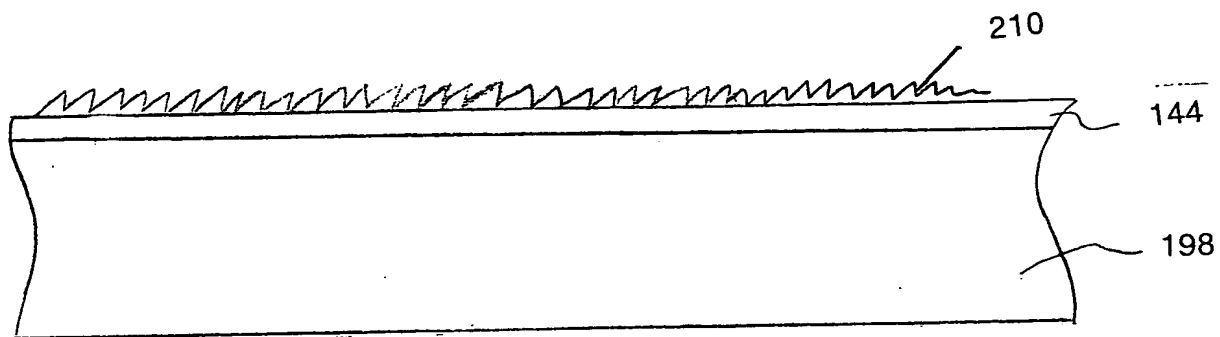


FIG. 6

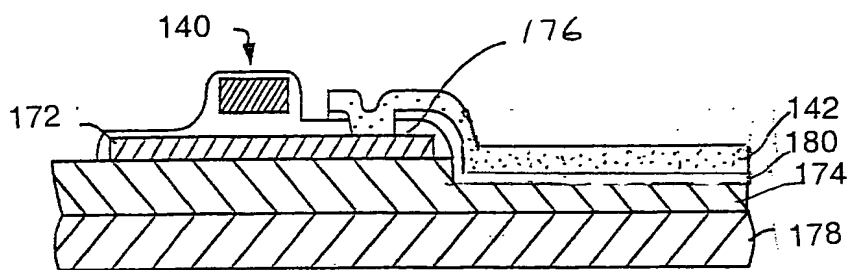


FIG. 7B

03460000.12499  
554T2T.09609499

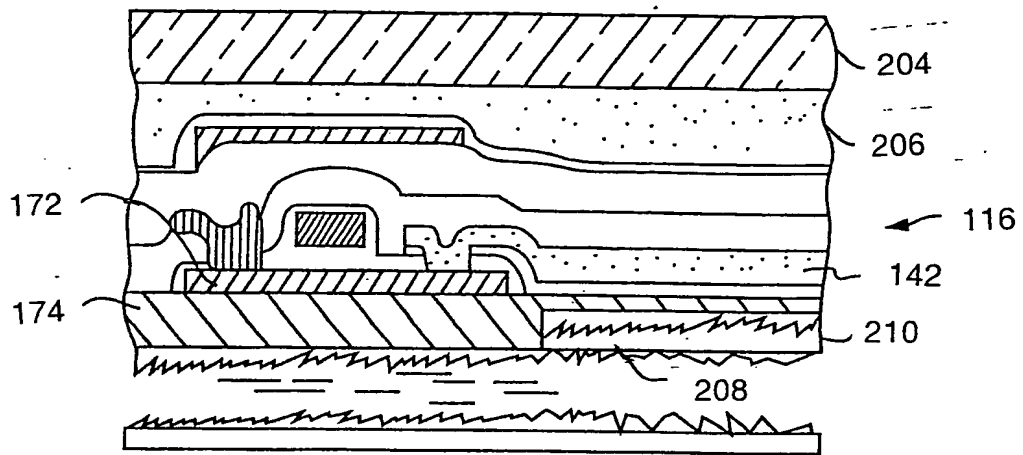


FIG. 7A

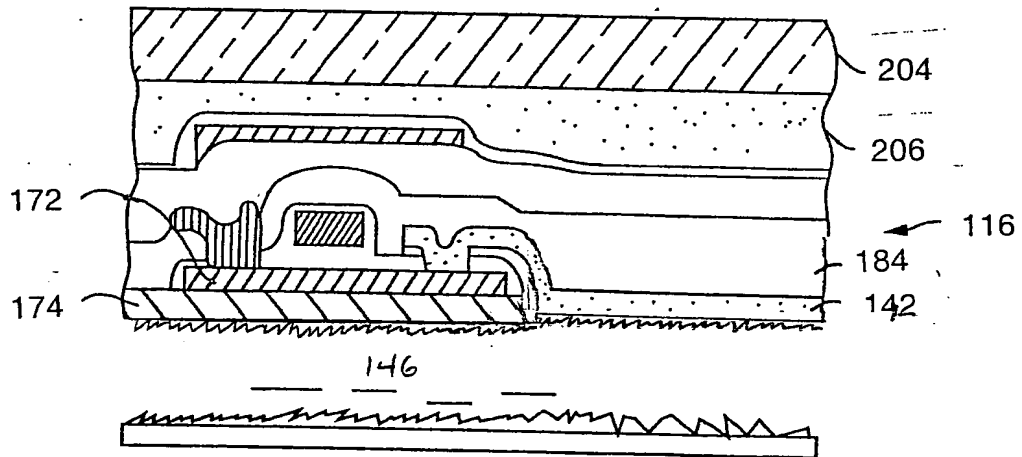
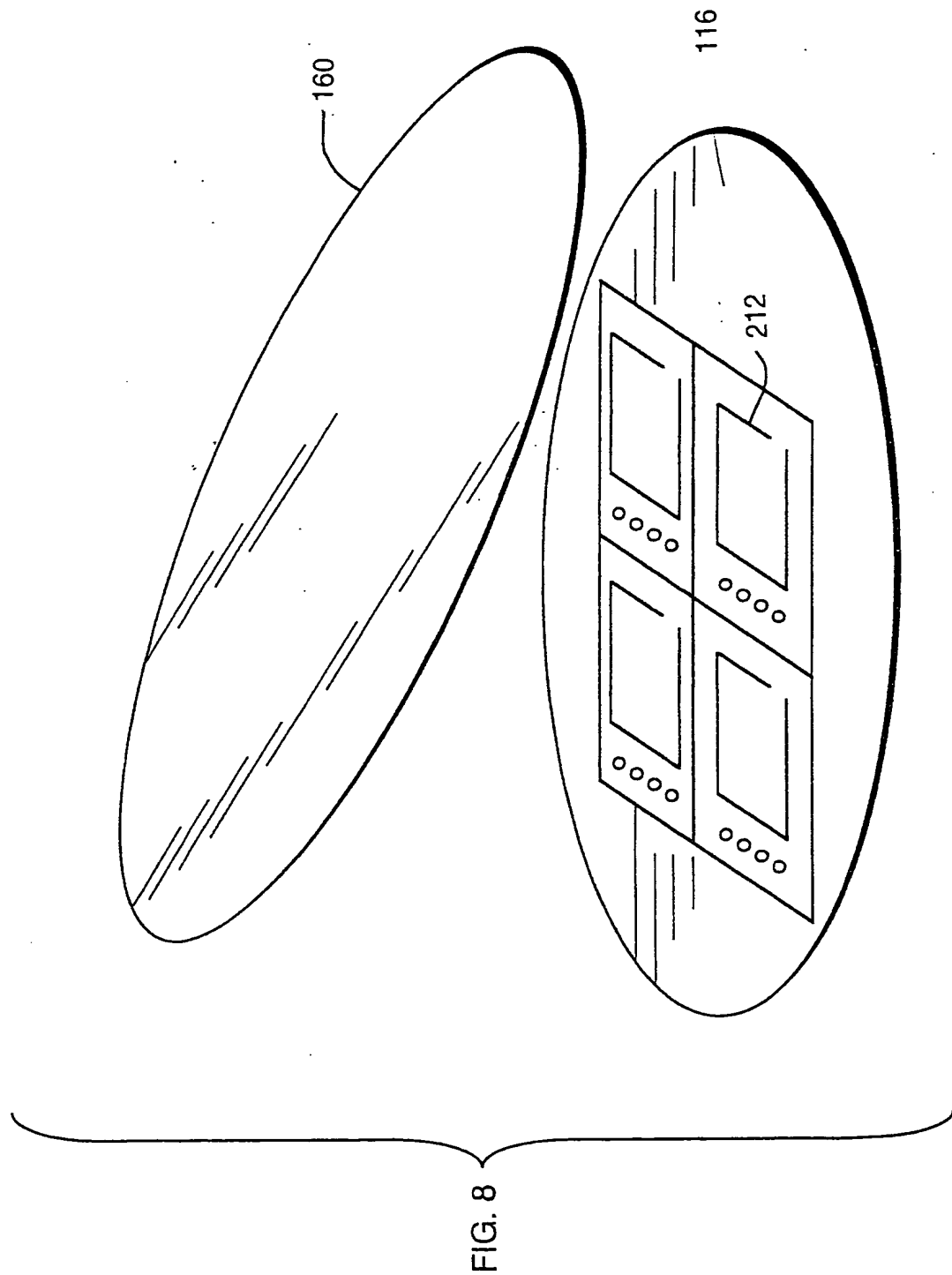


FIG. 7C





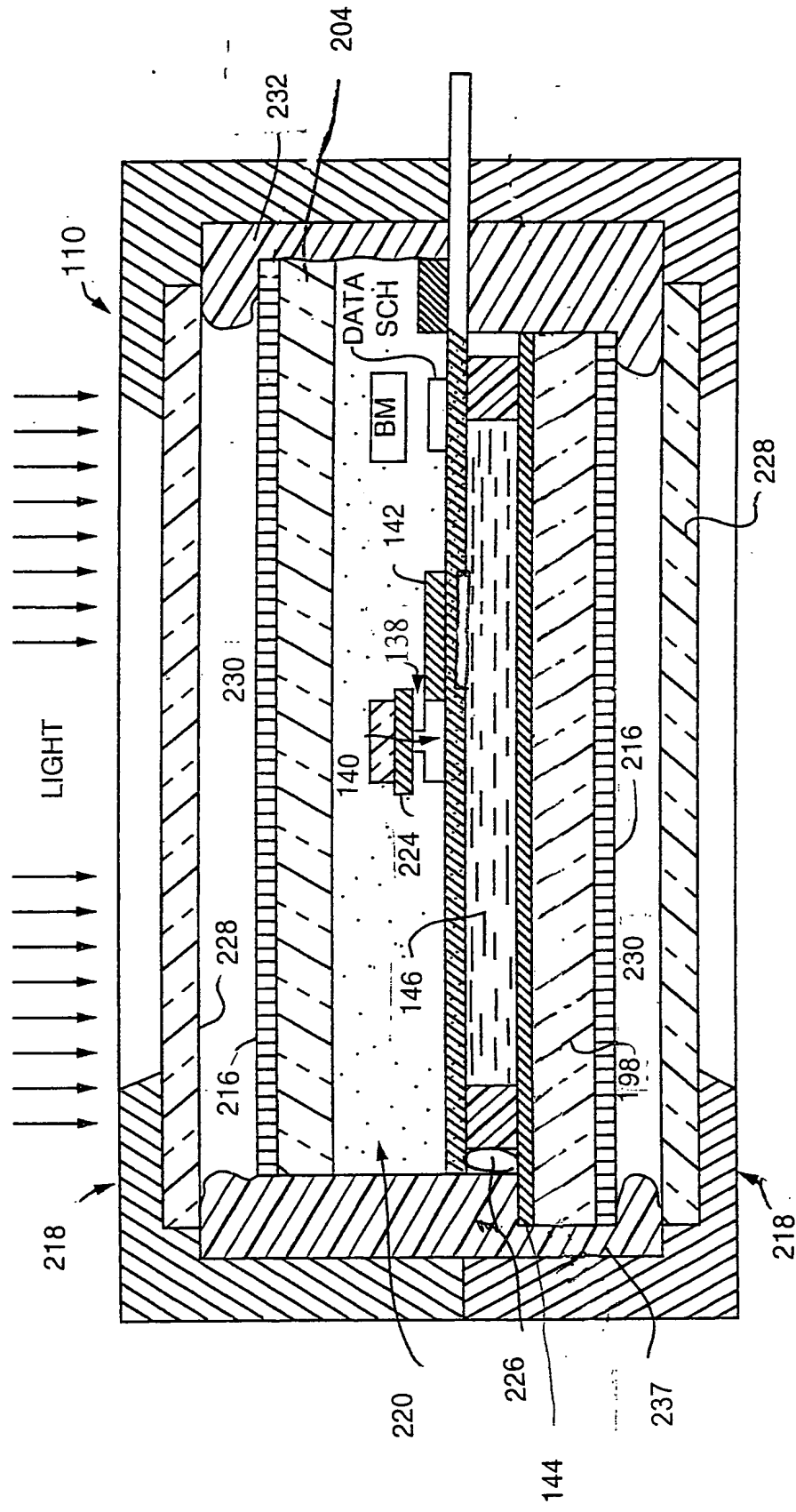


FIG. 9

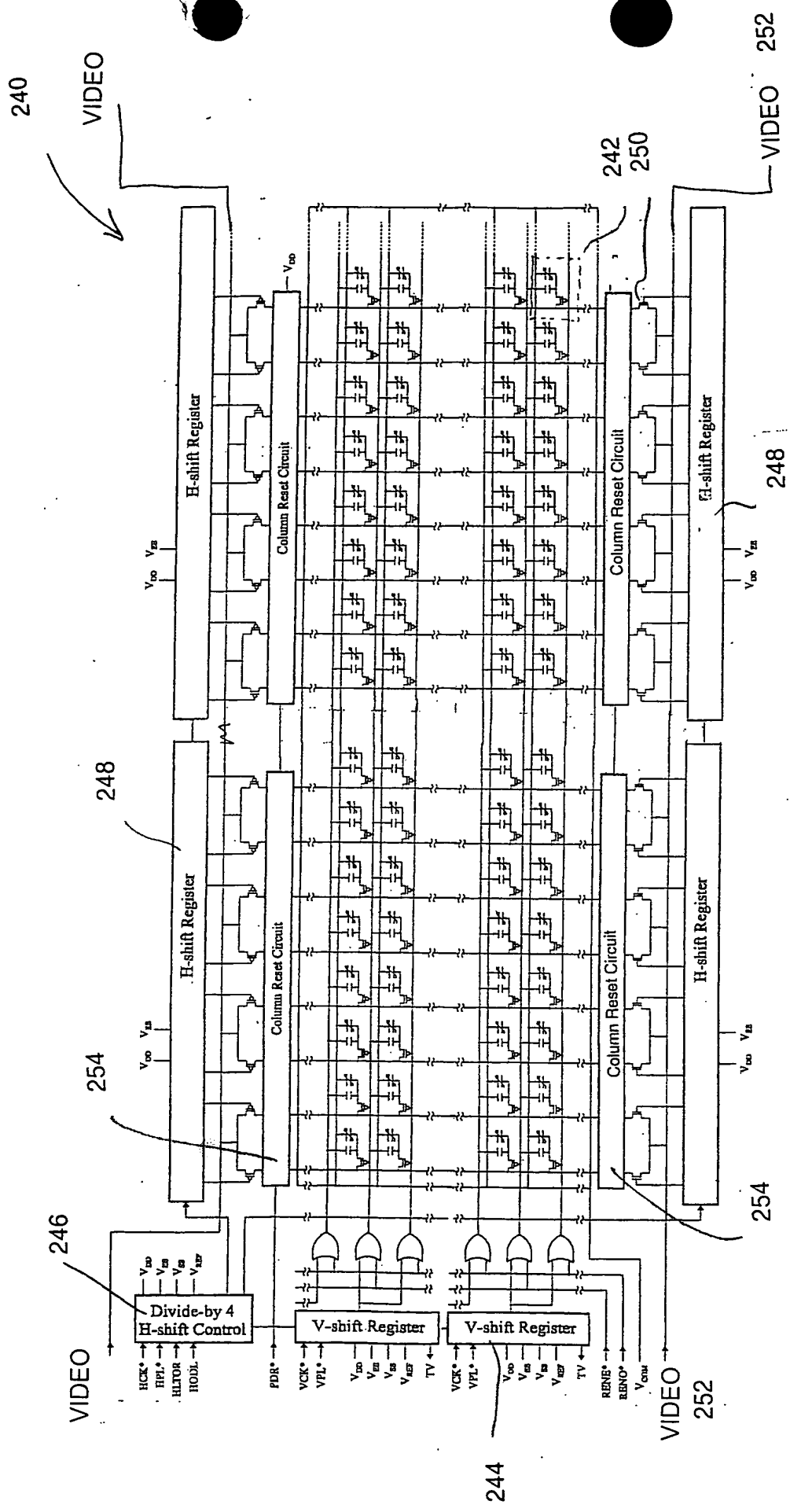
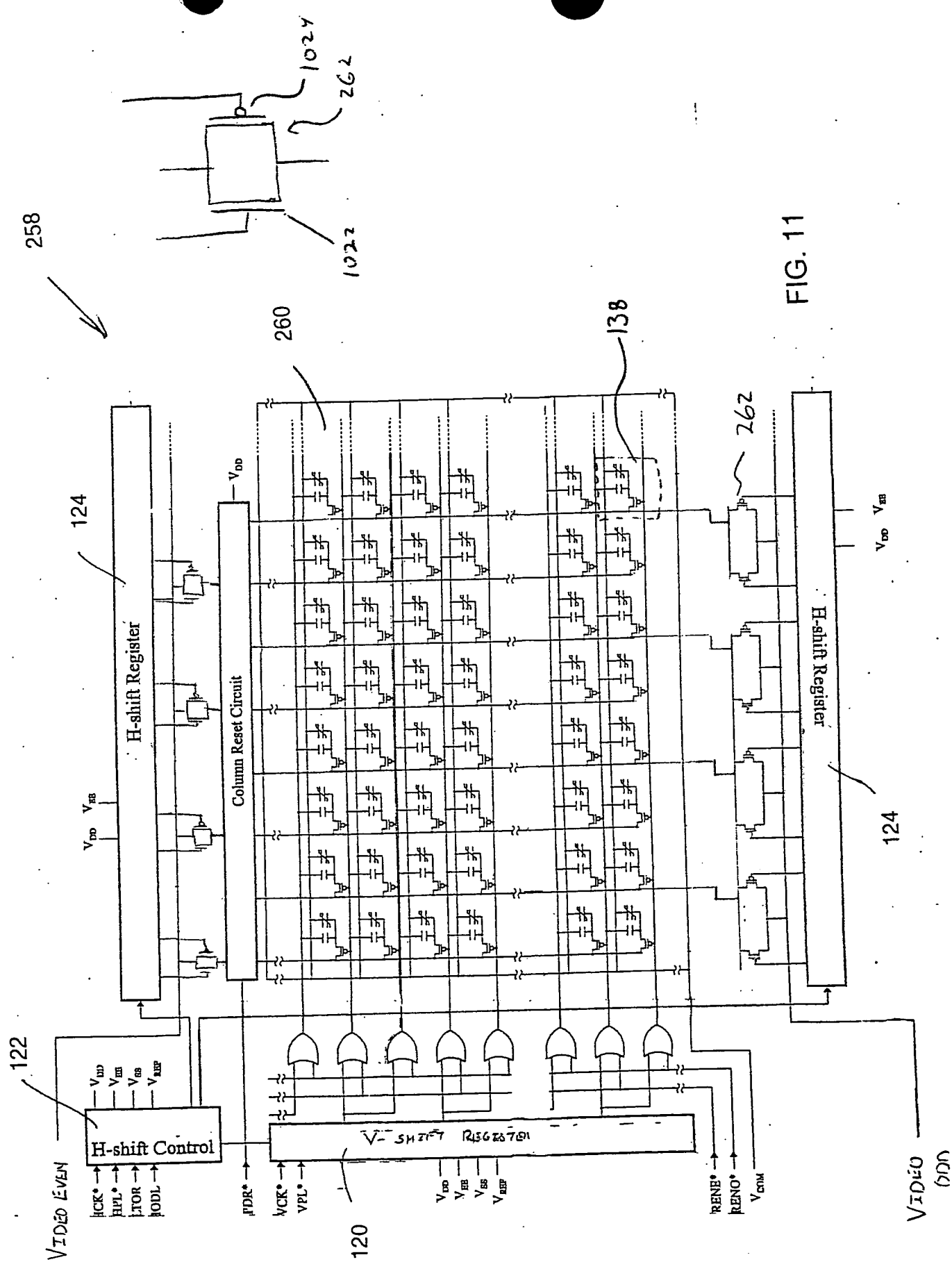
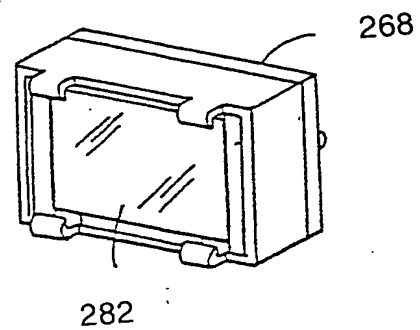
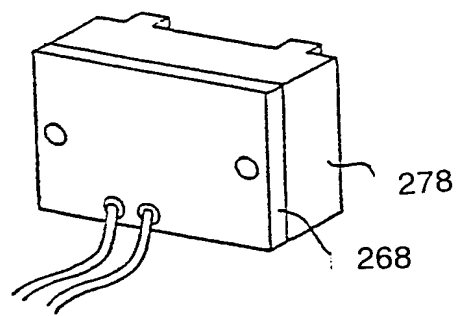
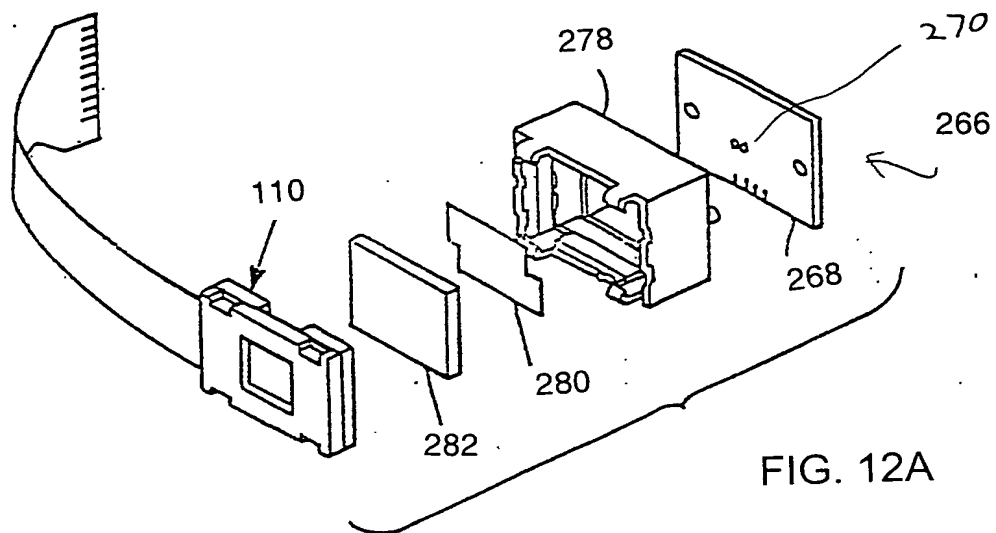
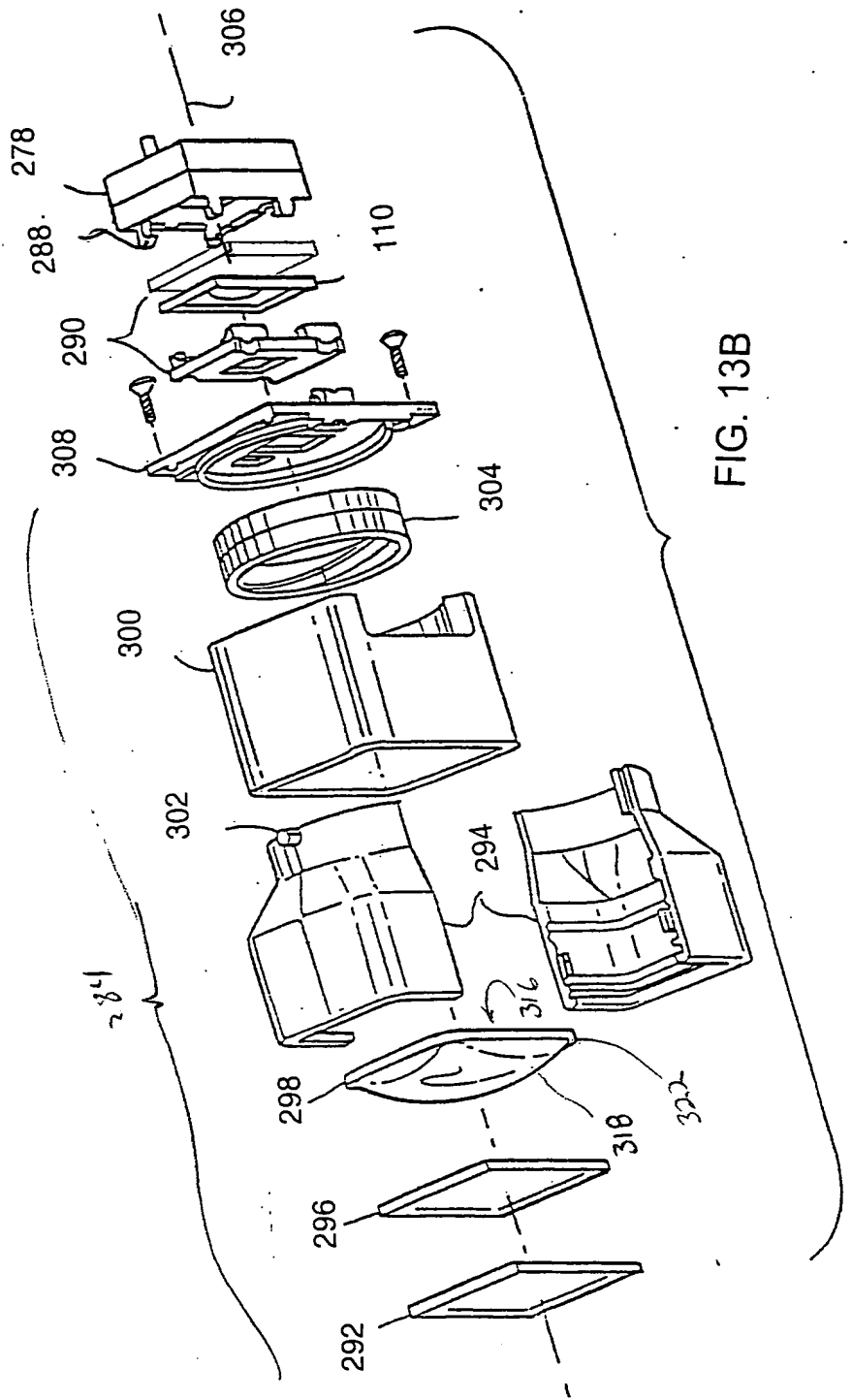


FIG. 10







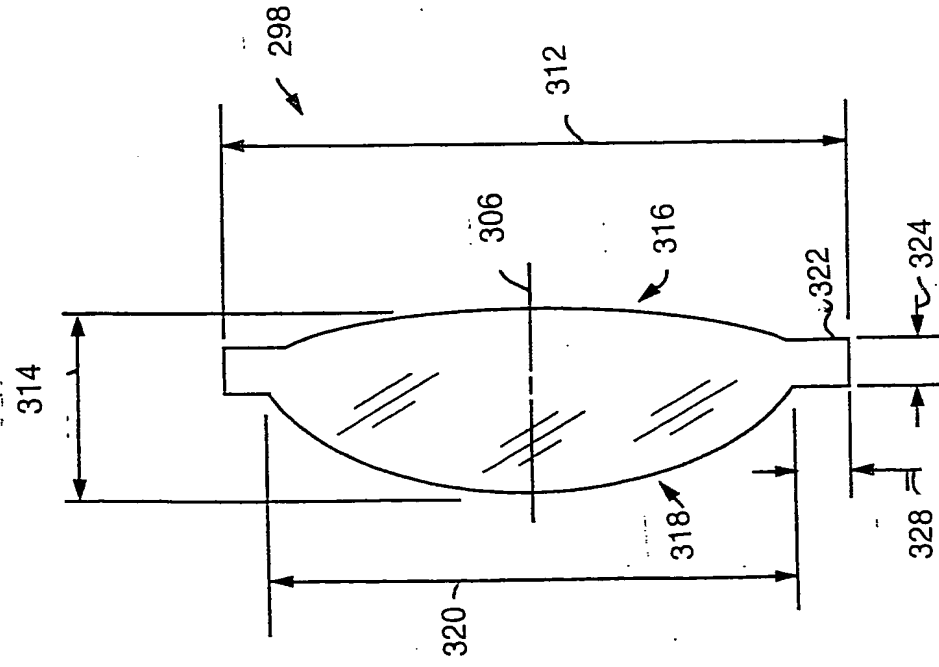


FIG. 14A

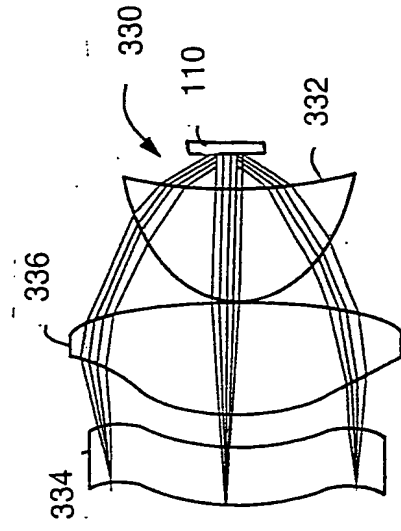


FIG. 14C

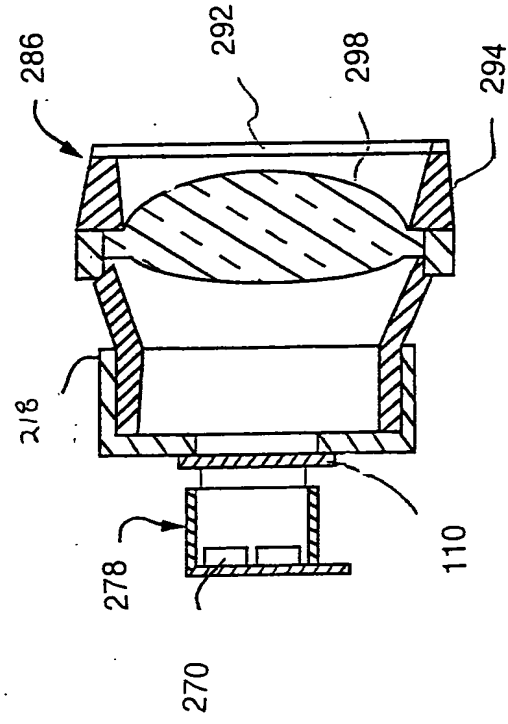


FIG. 14B

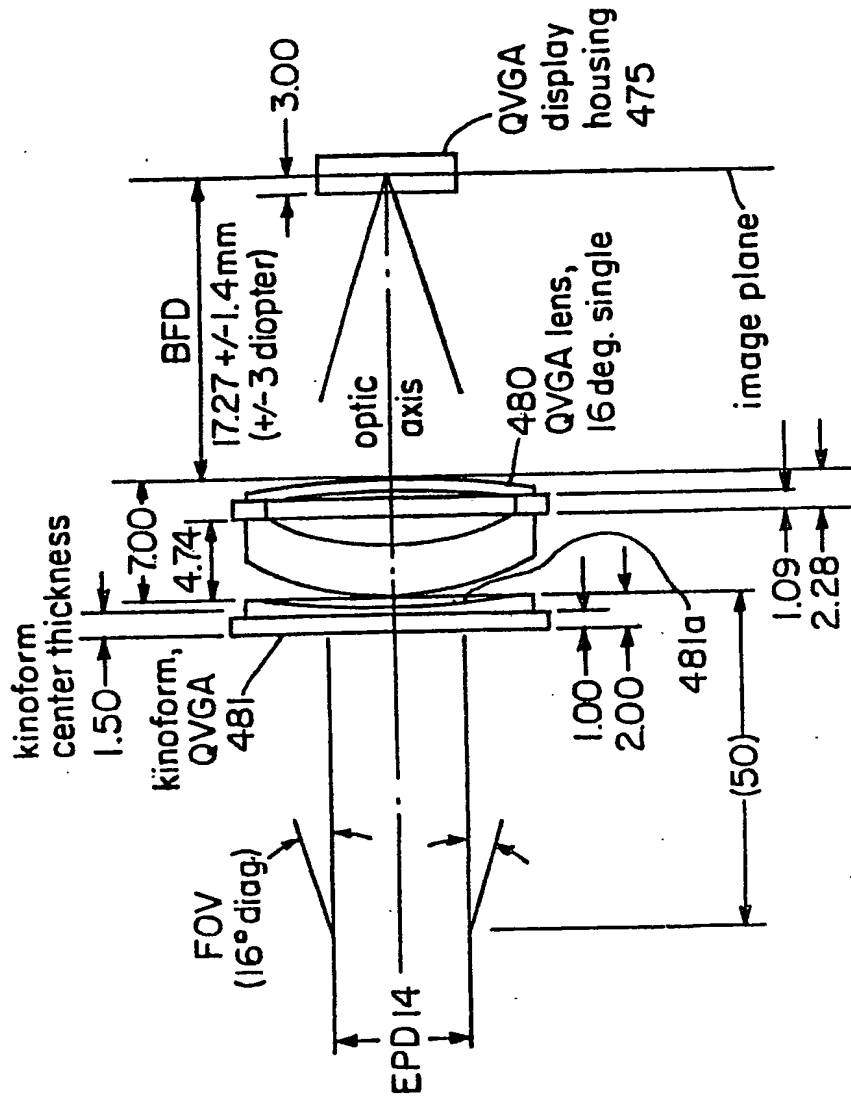


FIG. 15

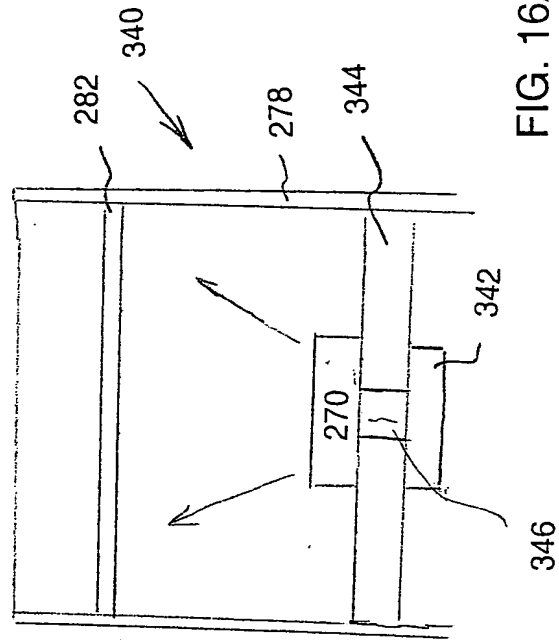


FIG. 16A



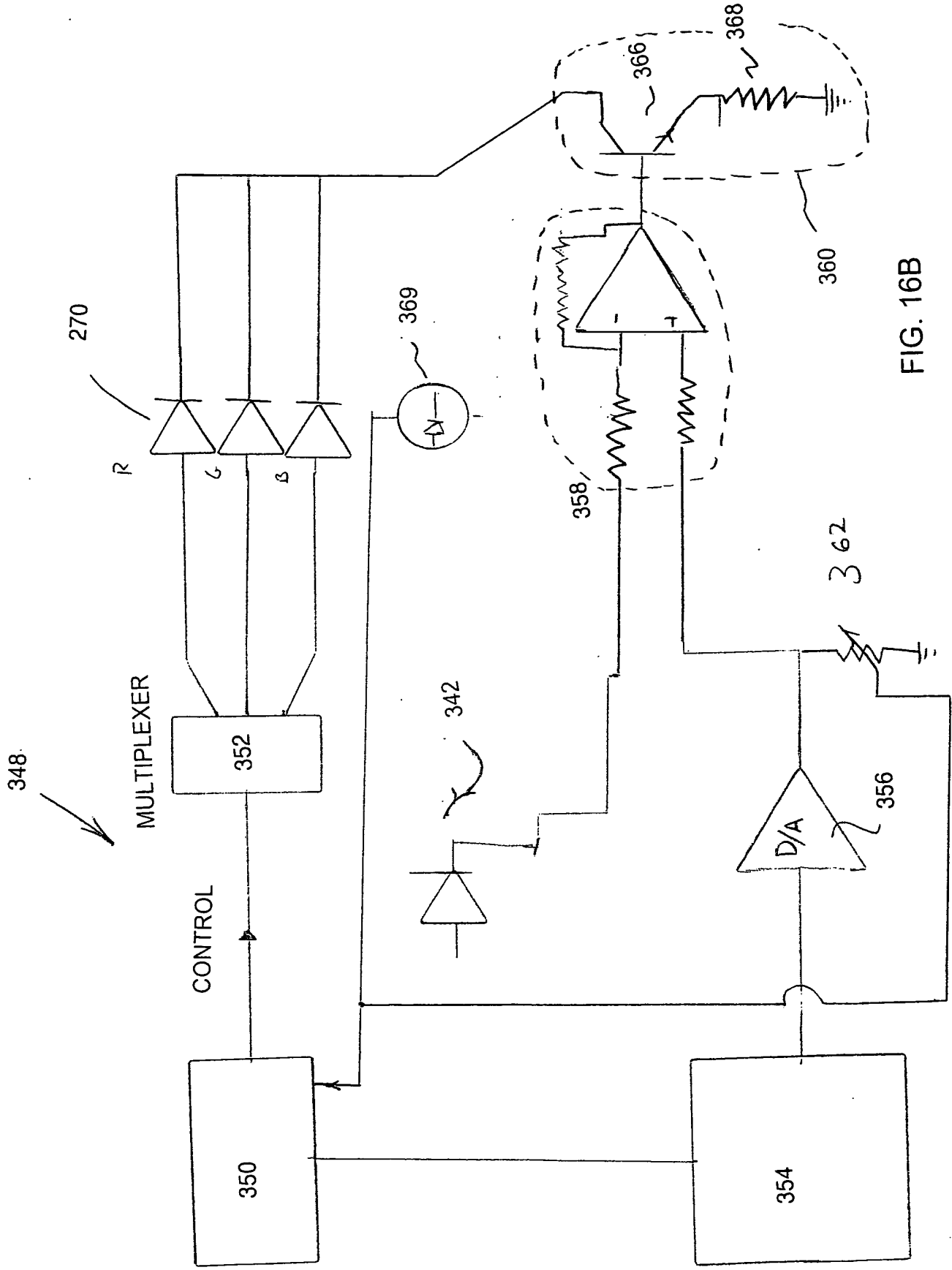


FIG. 16B

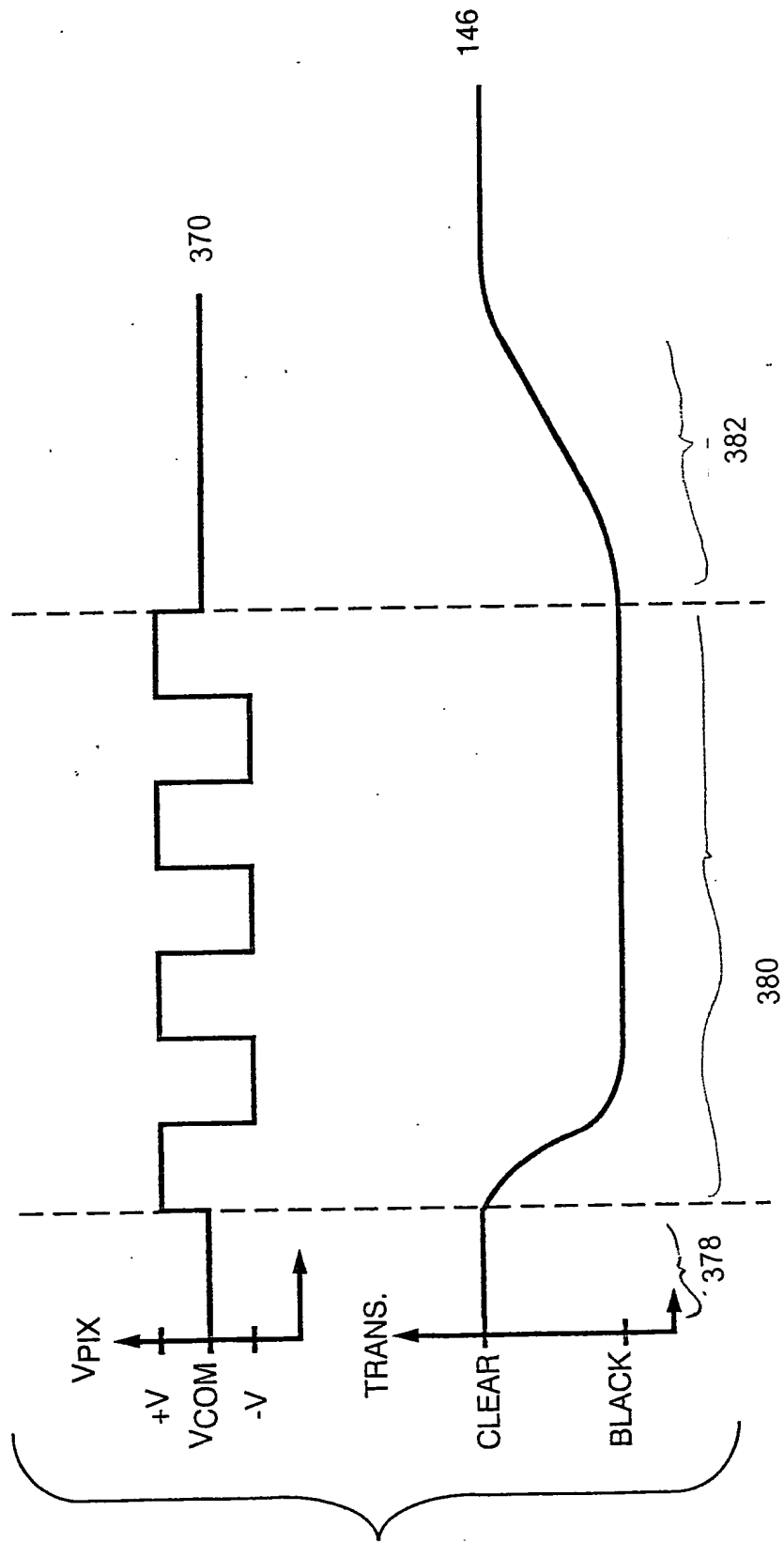


FIG. 17

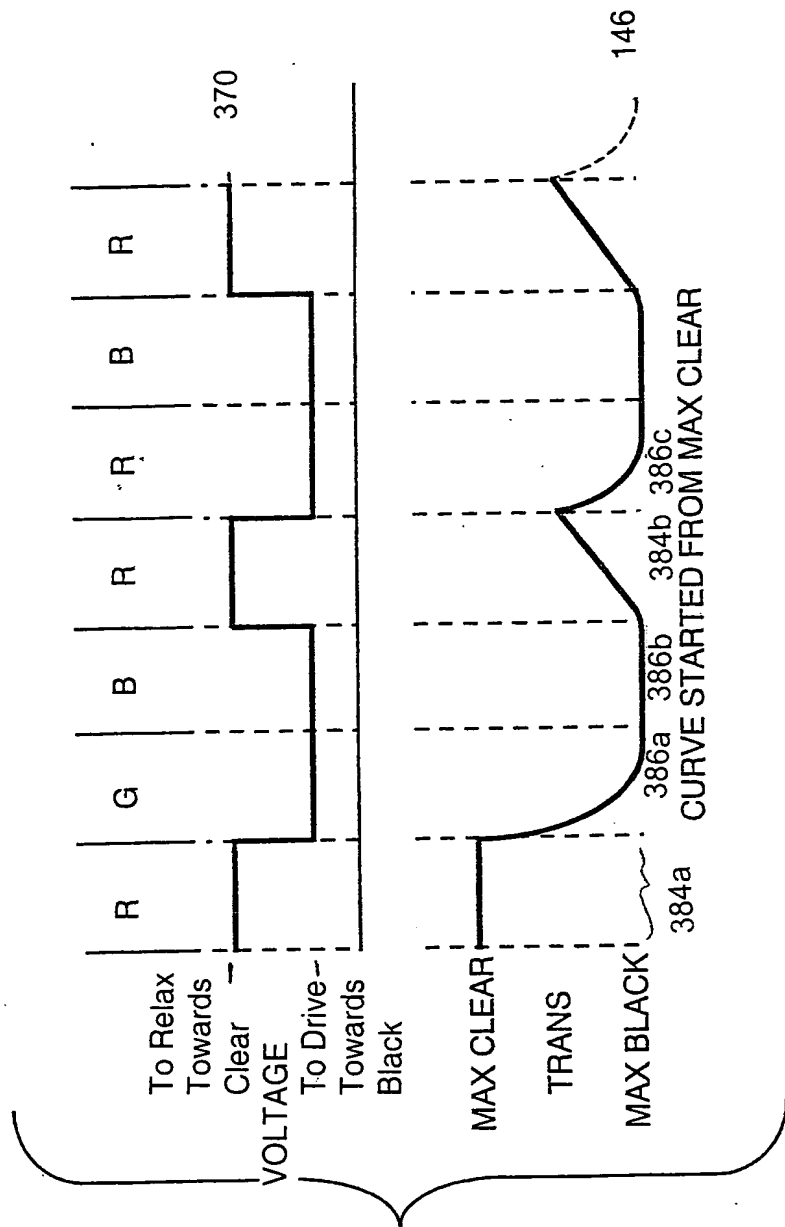


FIG. 18A

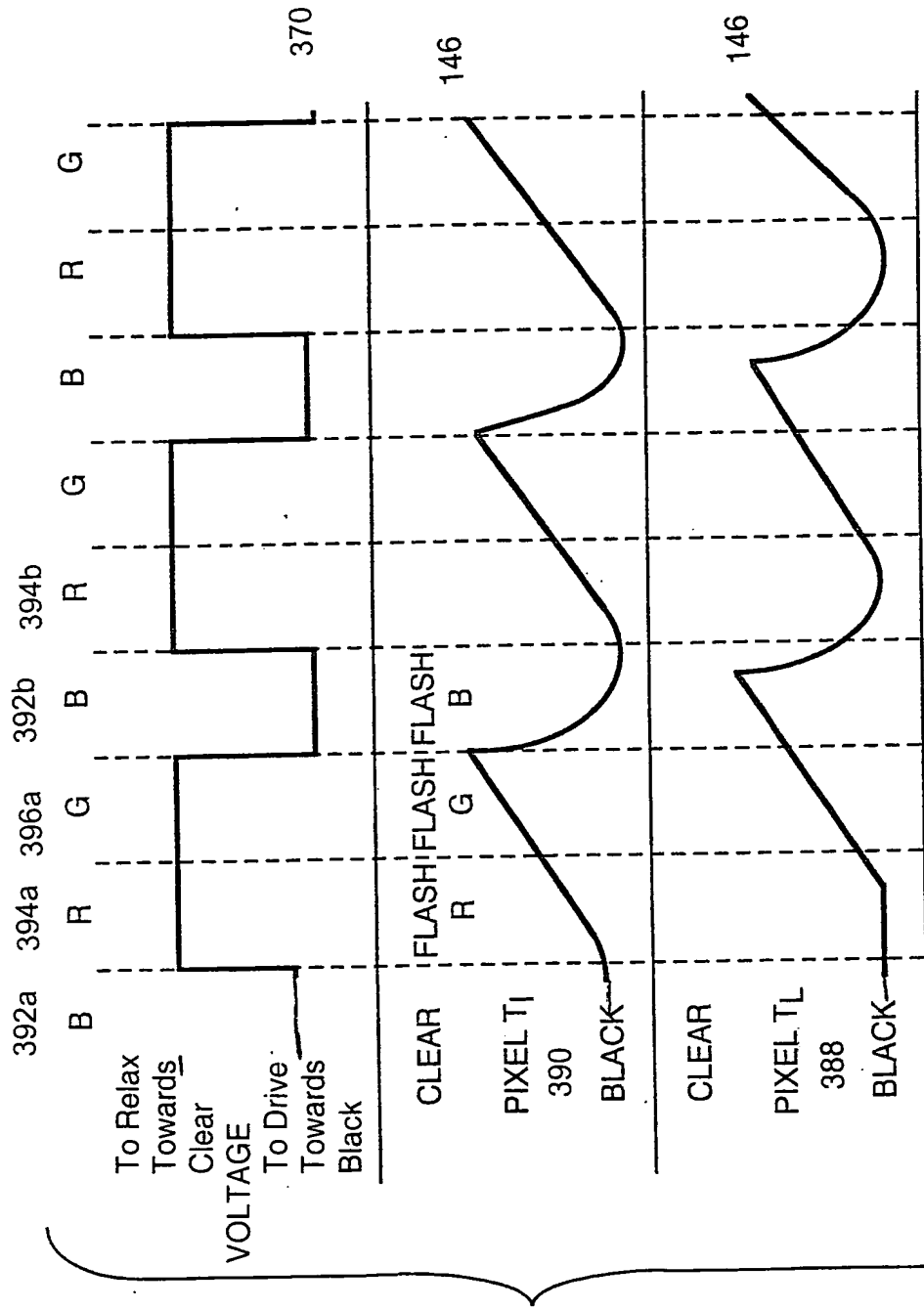


FIG. 18B

• PIXEL T<sub>L</sub> IS DELAYED BY 3ms BECAUSE OF WRITE TIME

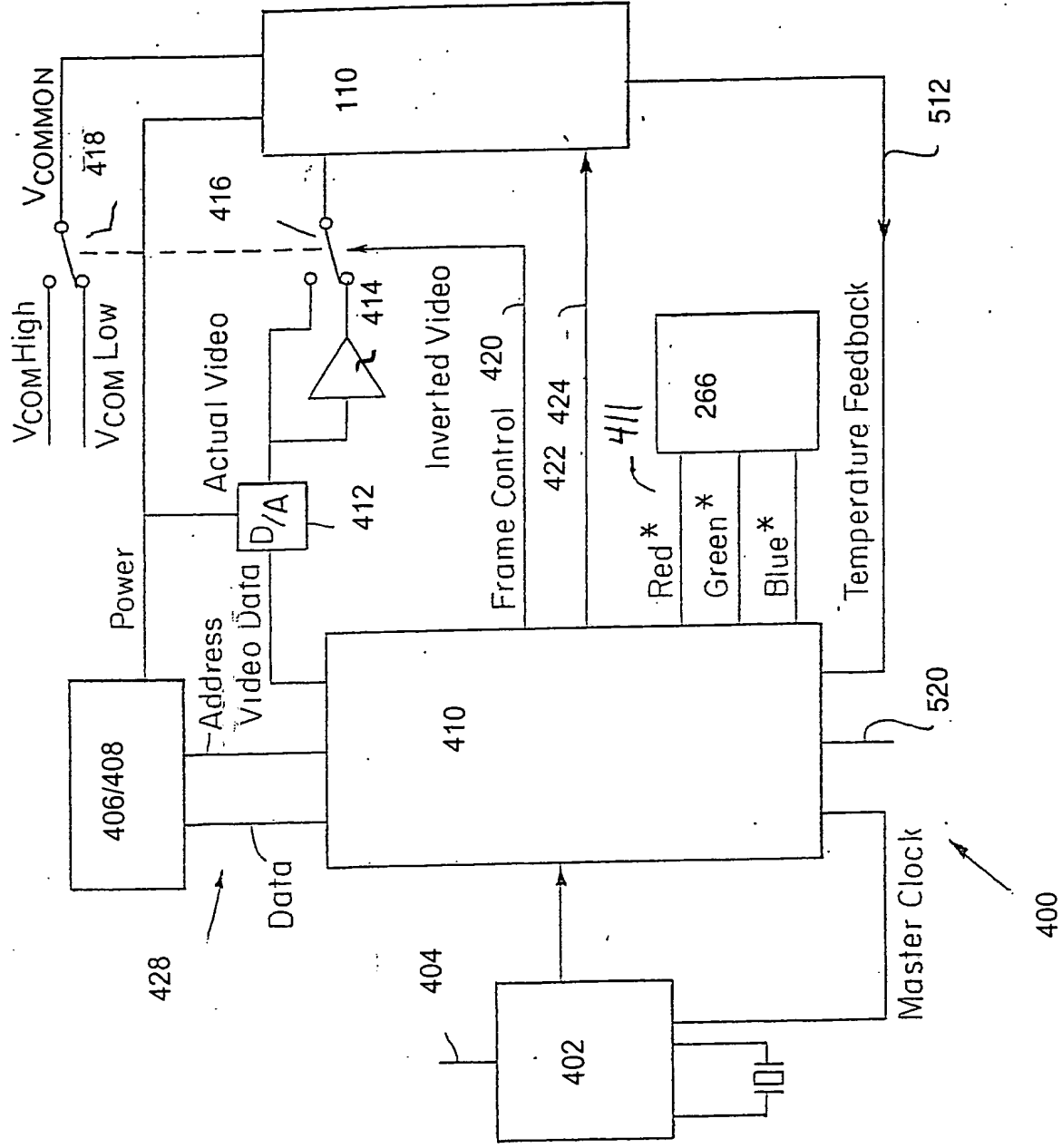


FIG. 19A

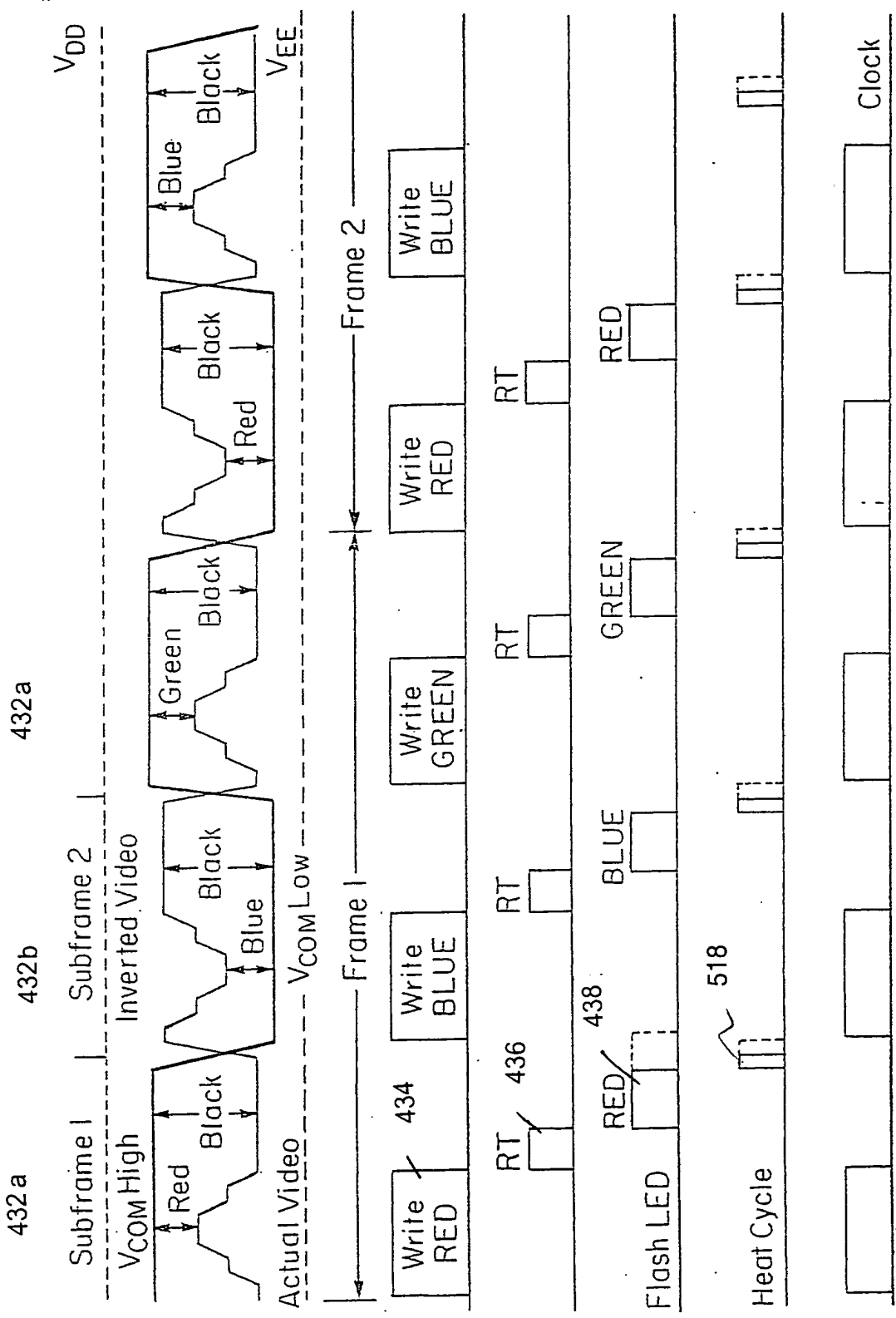
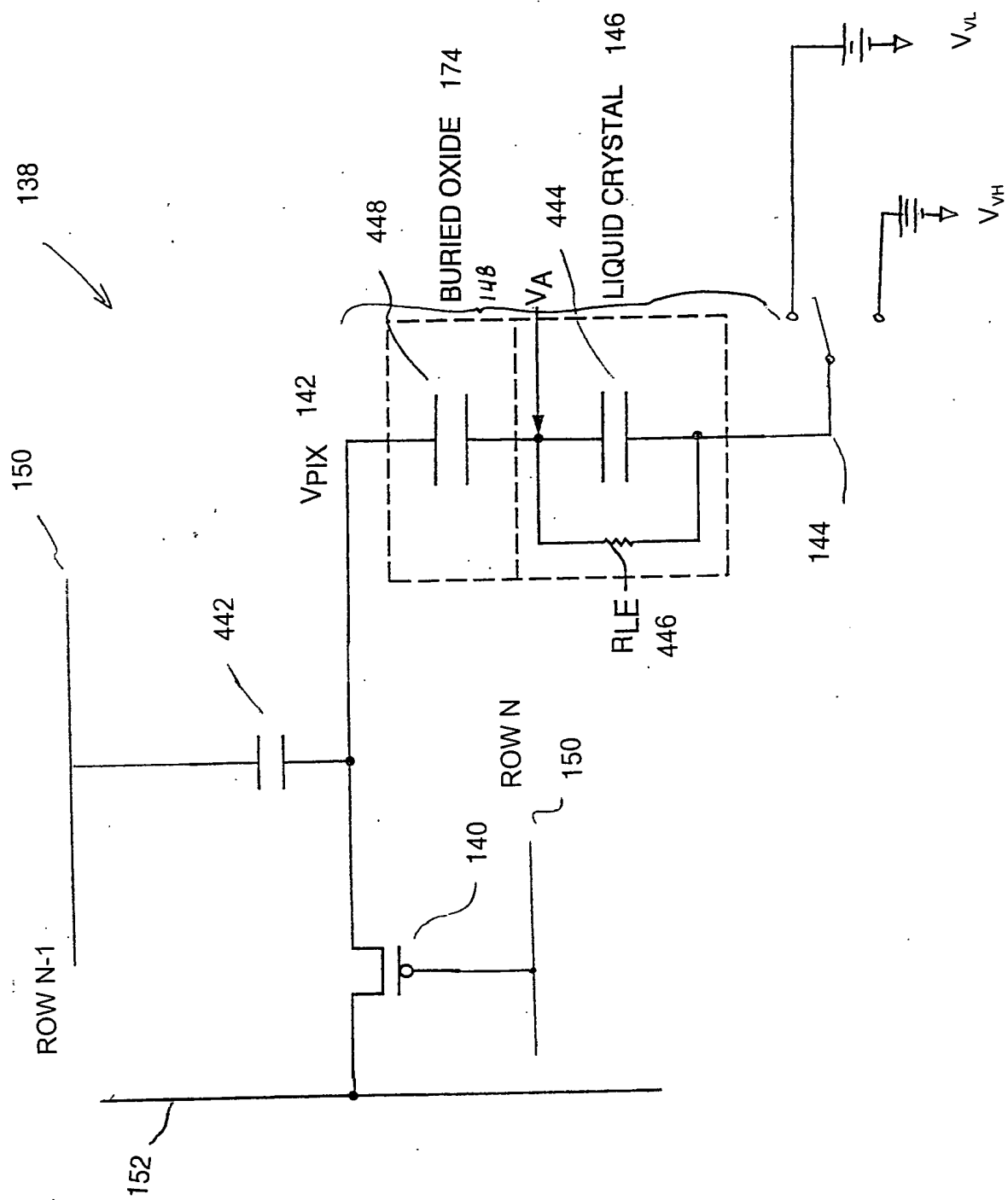


FIG. 19B



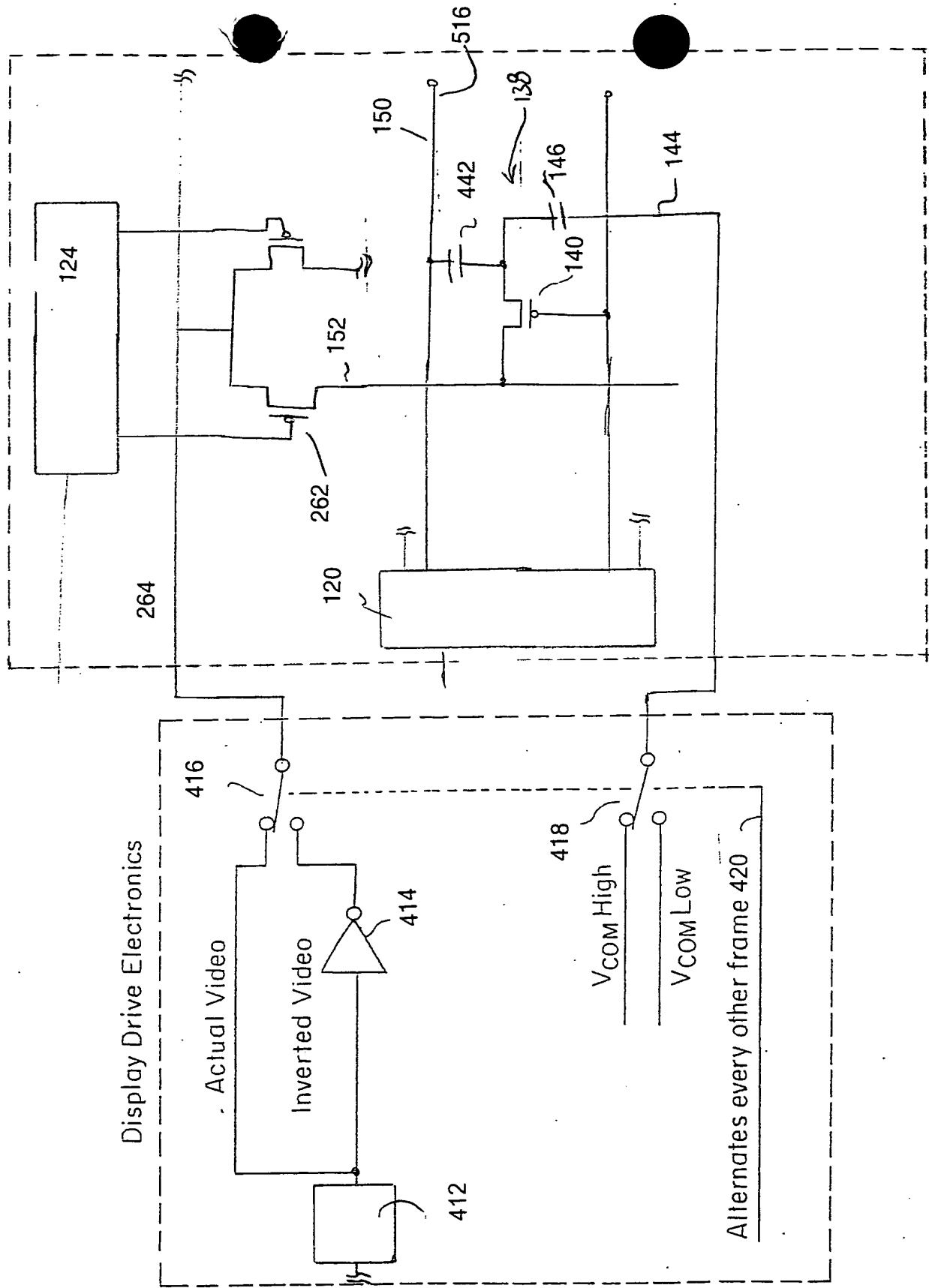


FIG. 20B



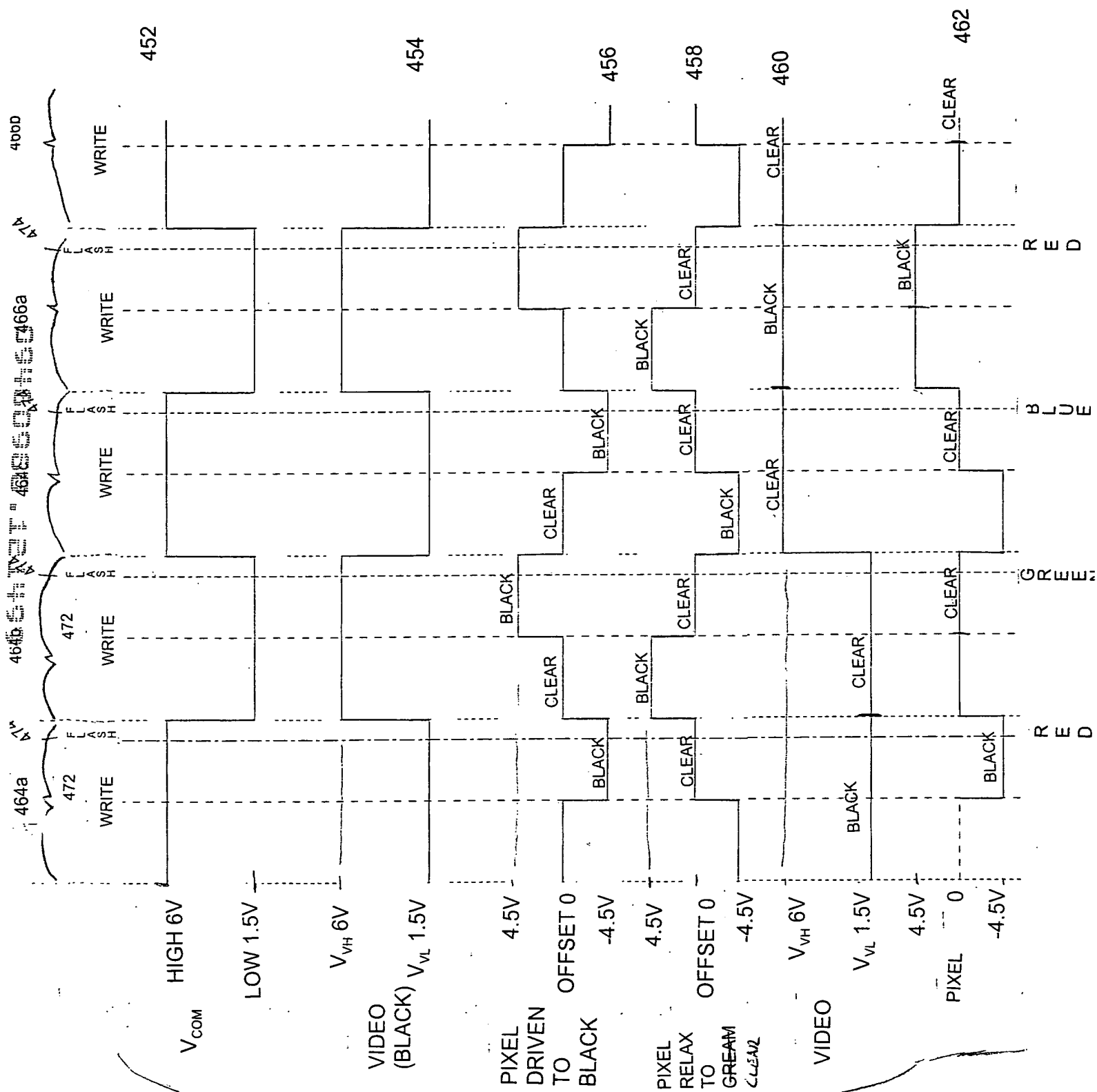


FIG. 21

WRITE VIDEO → WAIT LC TWIST → FLASH → RESET

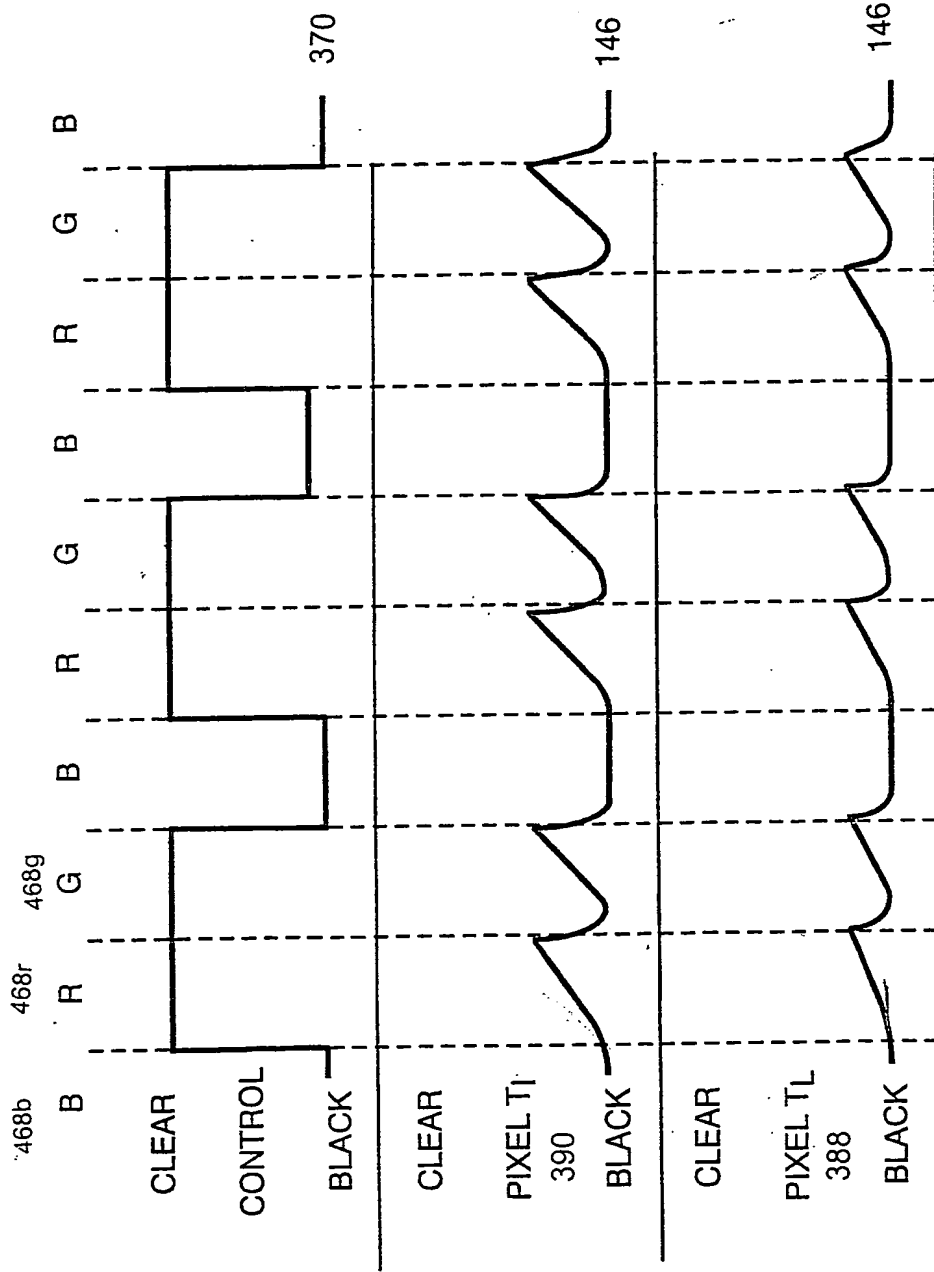


FIG. 22

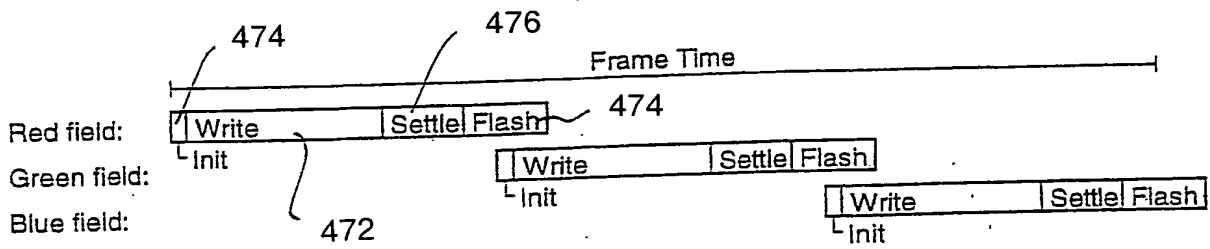


FIG. 23A

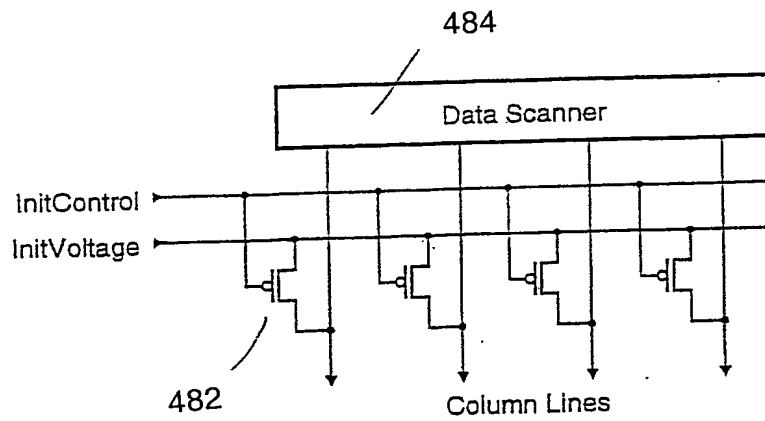


FIG. 23B



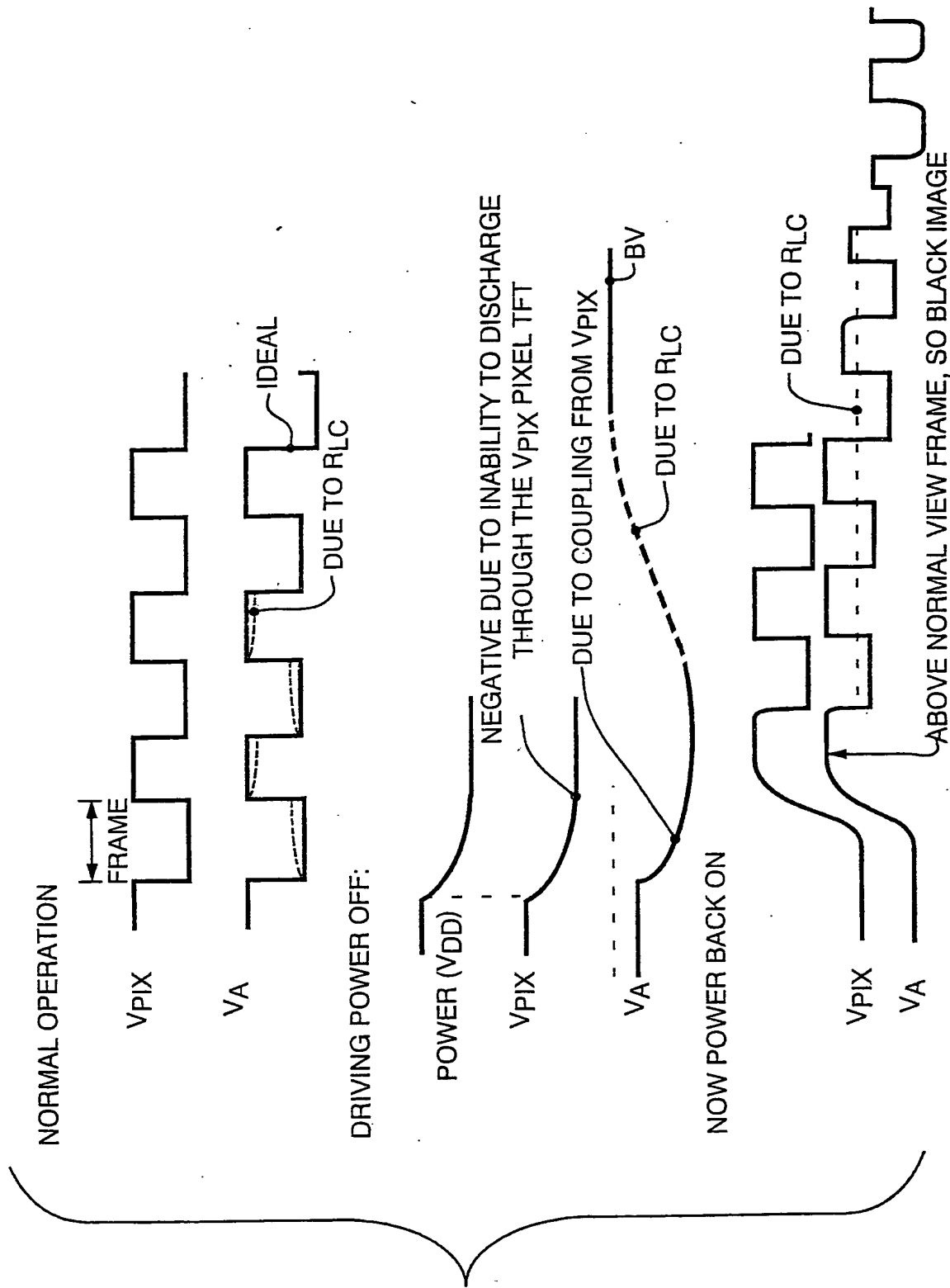


FIG. 24

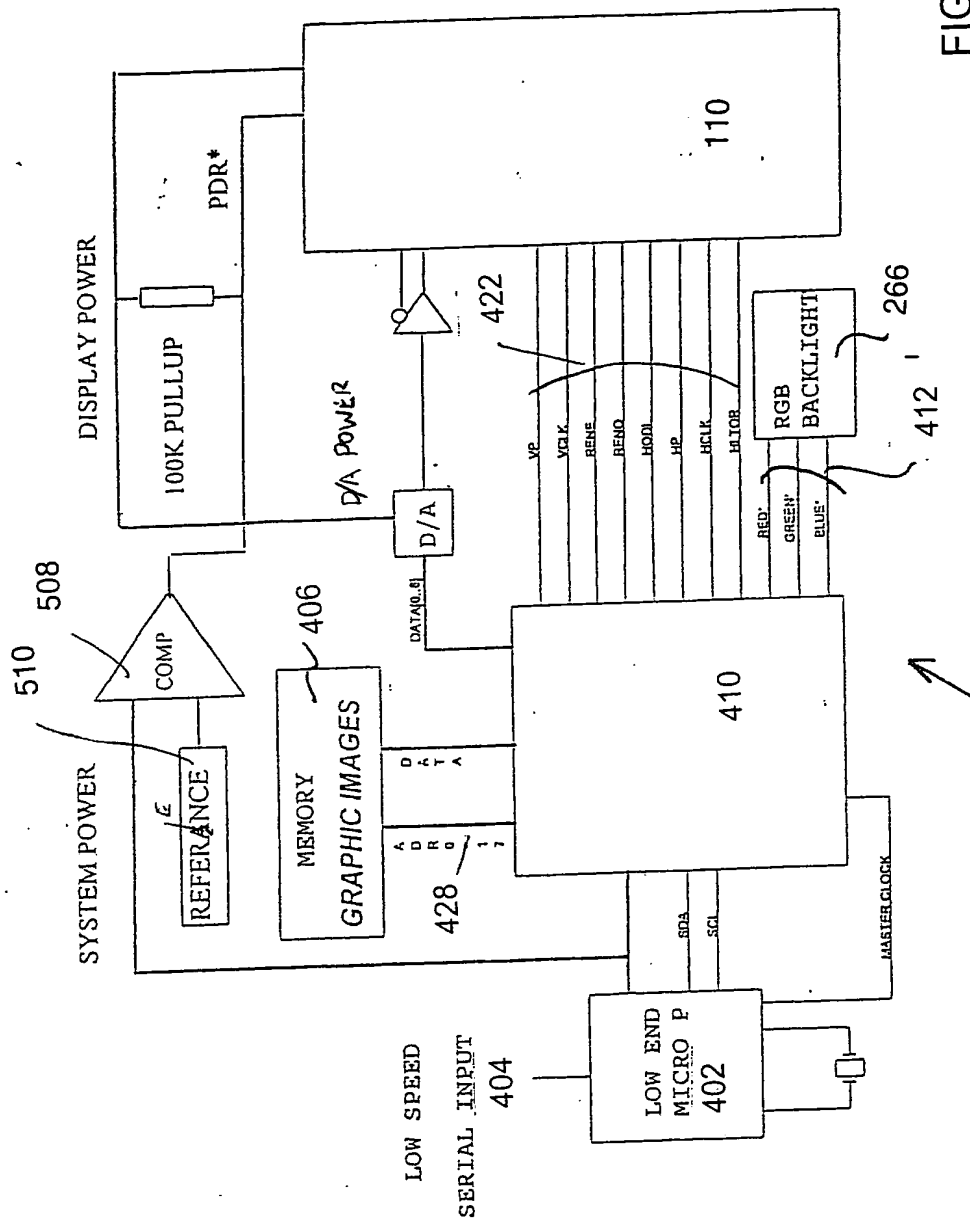


FIG. 25

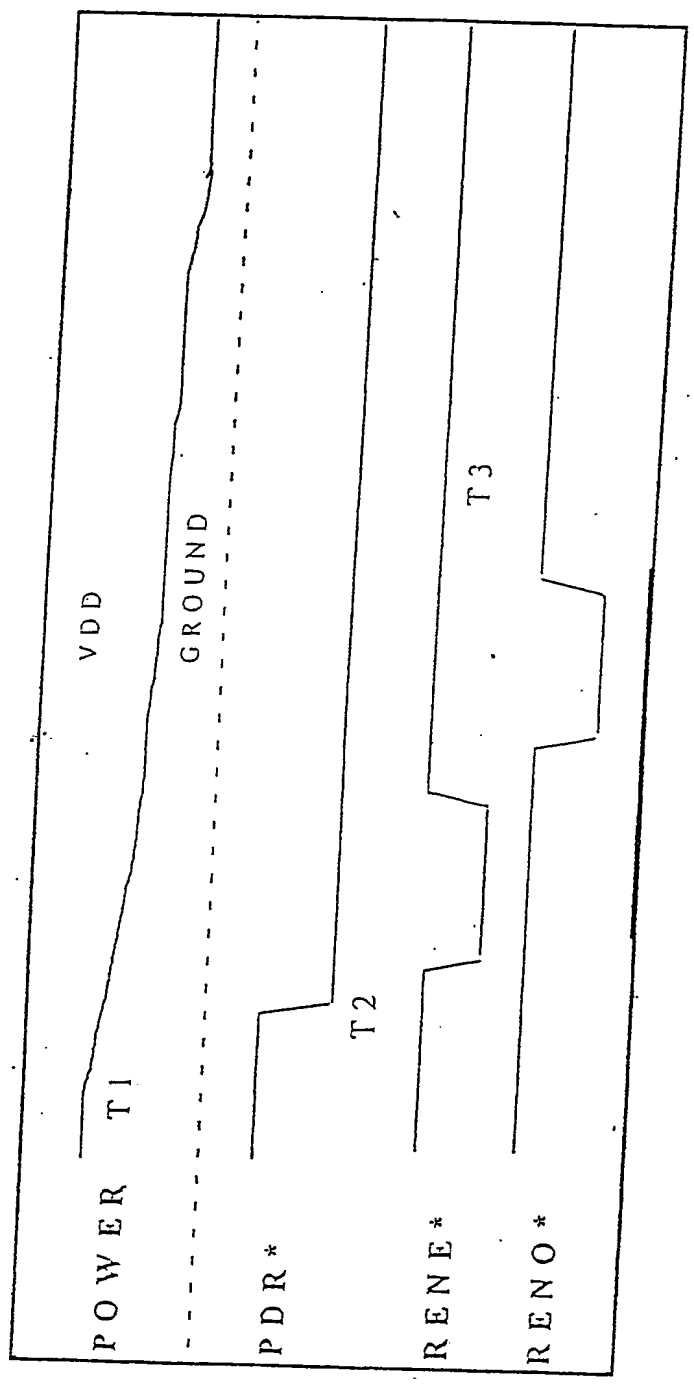


FIG. 26

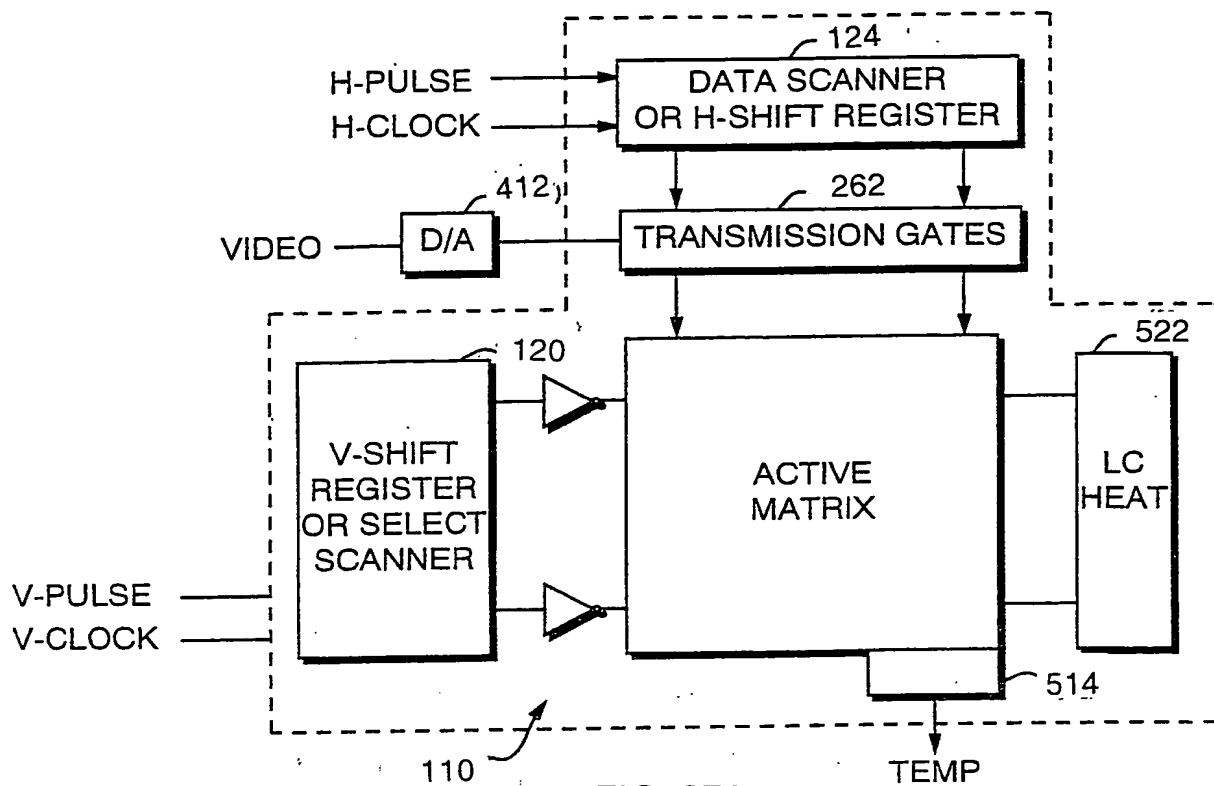


FIG. 27A

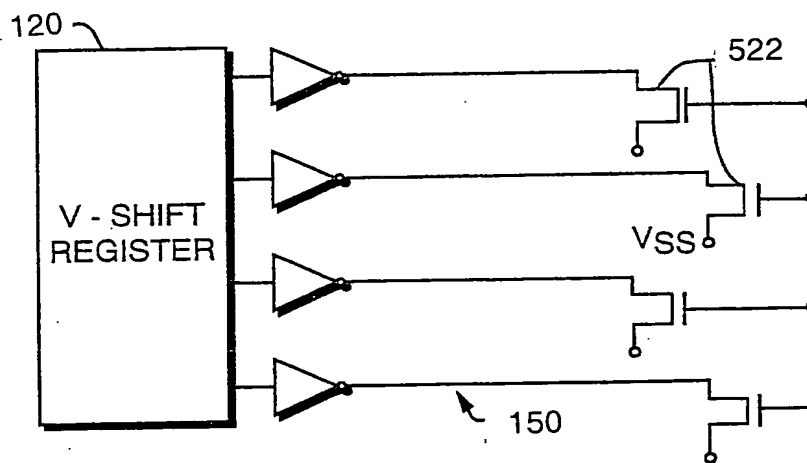


FIG. 27B

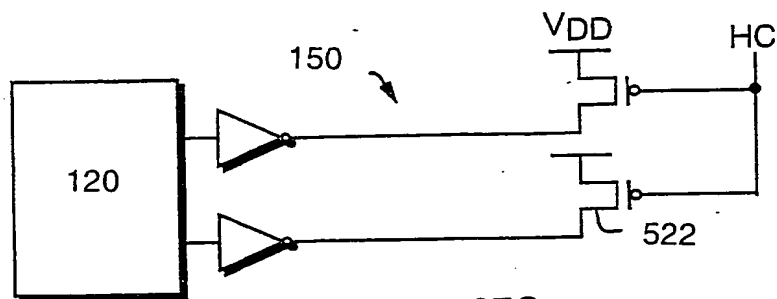


FIG. 27C



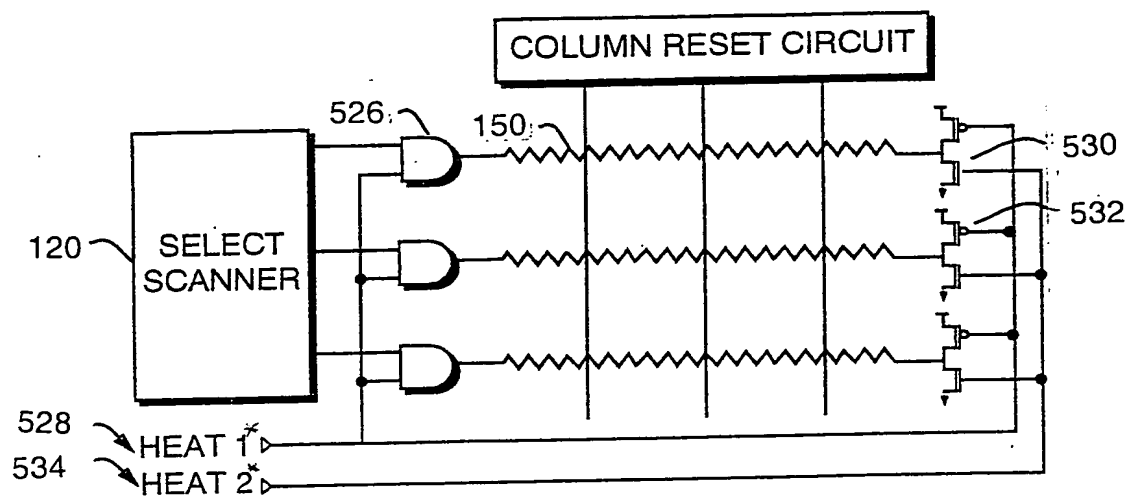


FIG. 27D

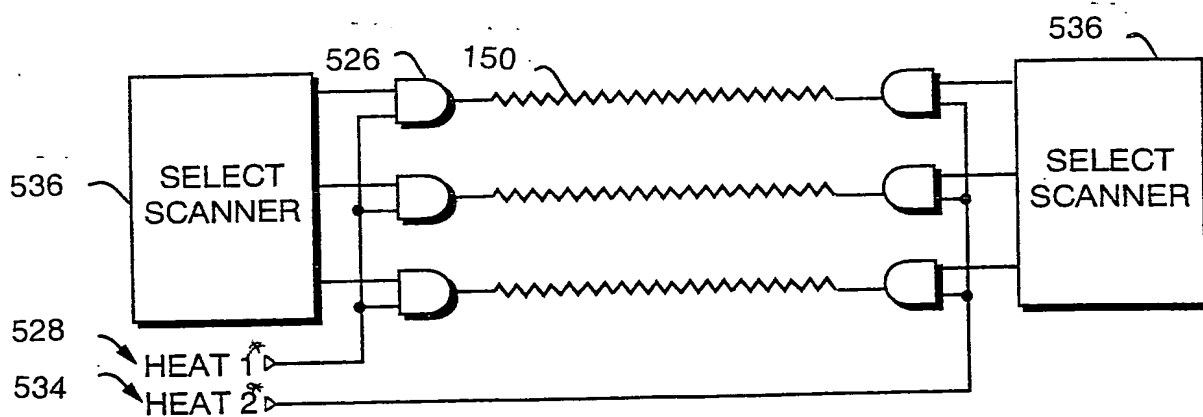


FIG. 27E





05460900 123456



538  
↓

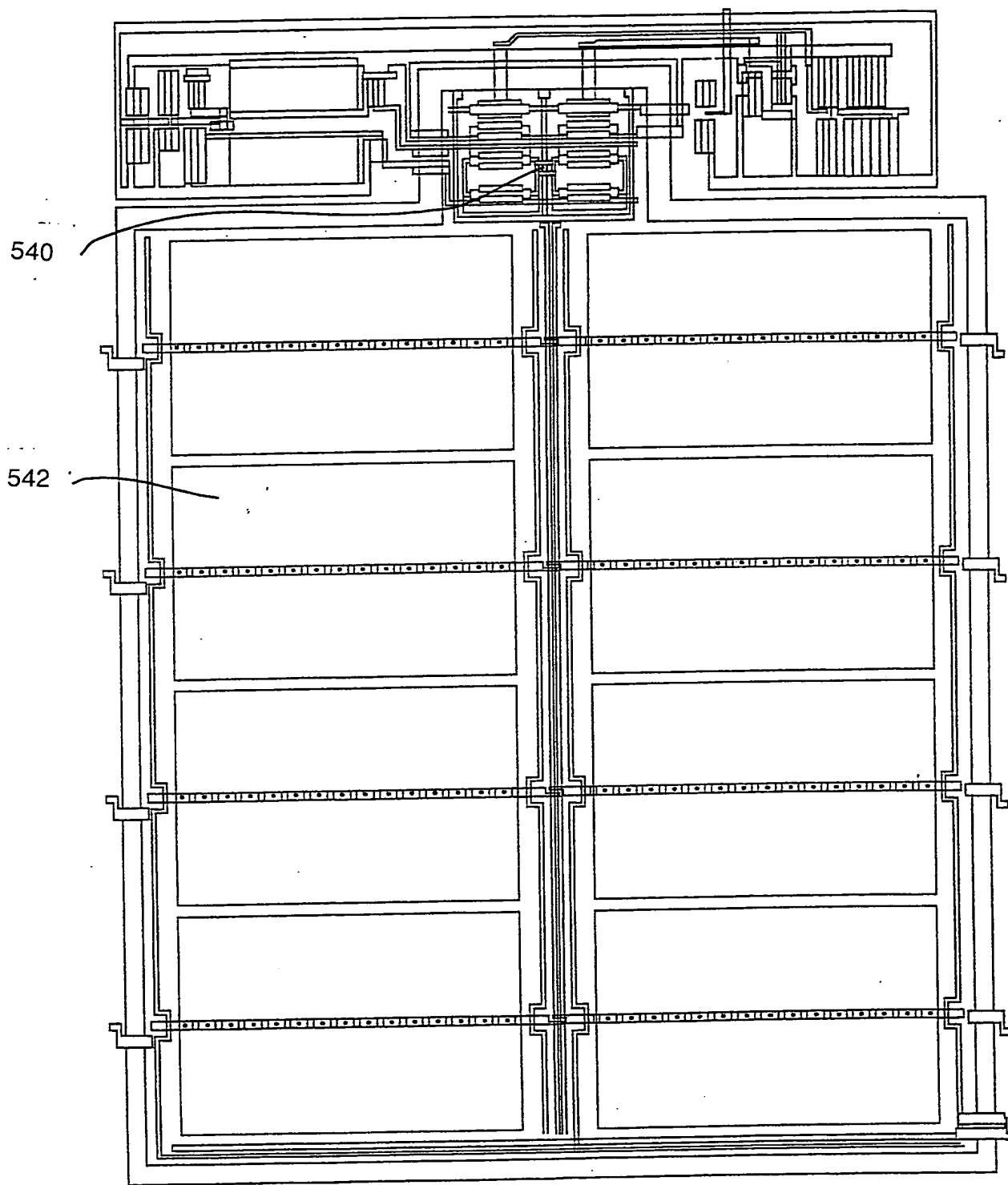
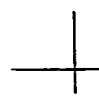


FIG. 27G



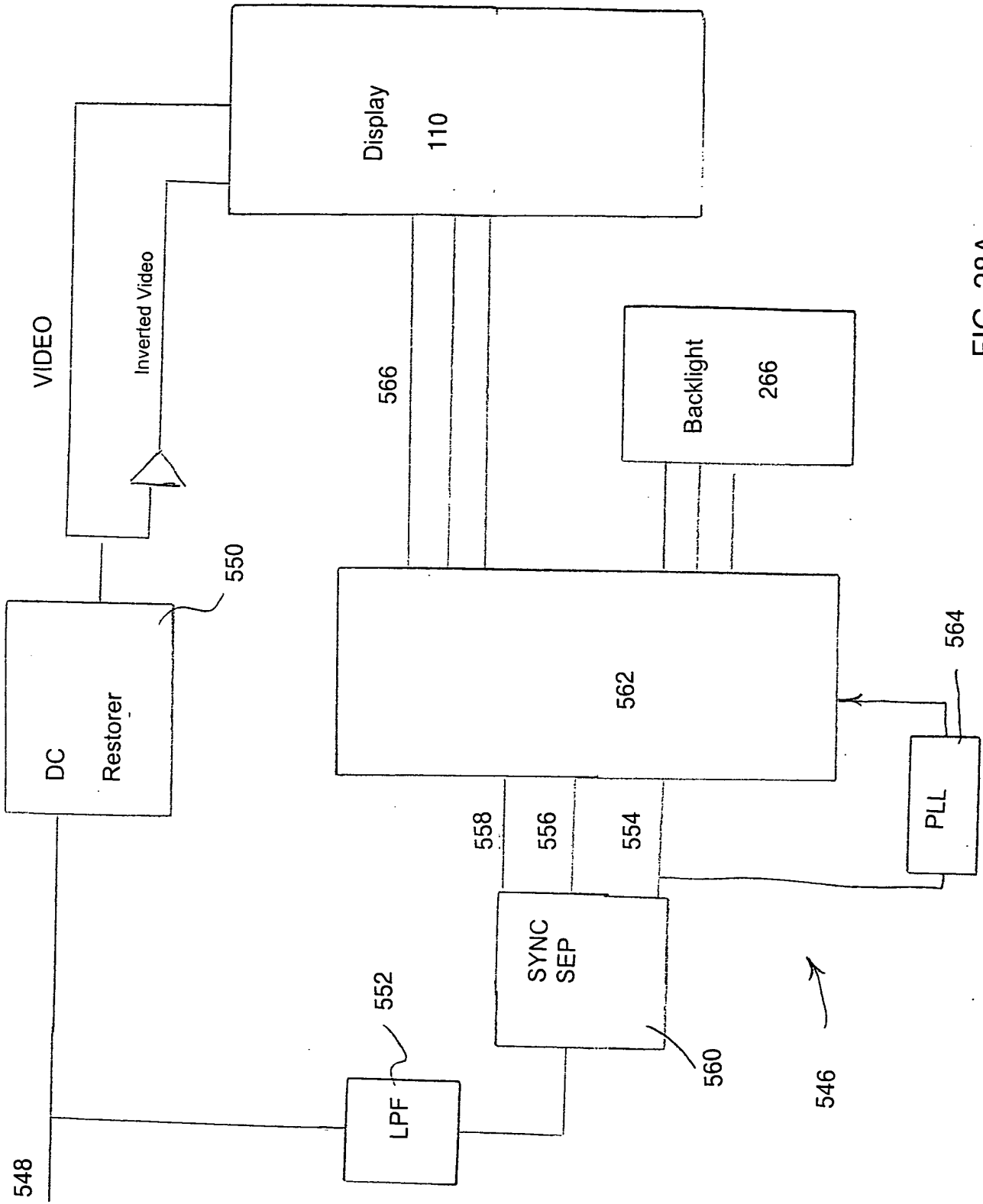


FIG. 28A

6547 AT 09509460

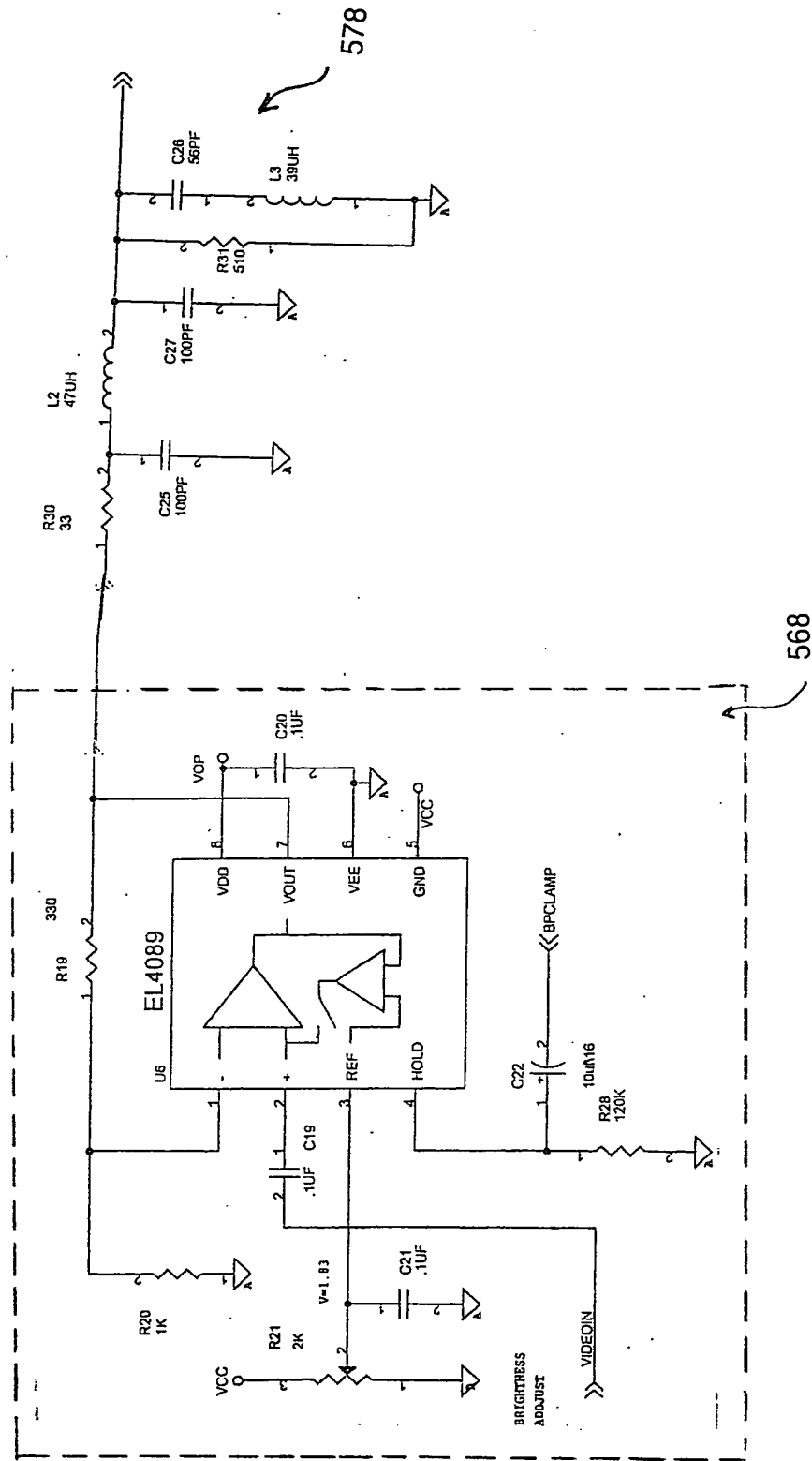


FIG. 28B

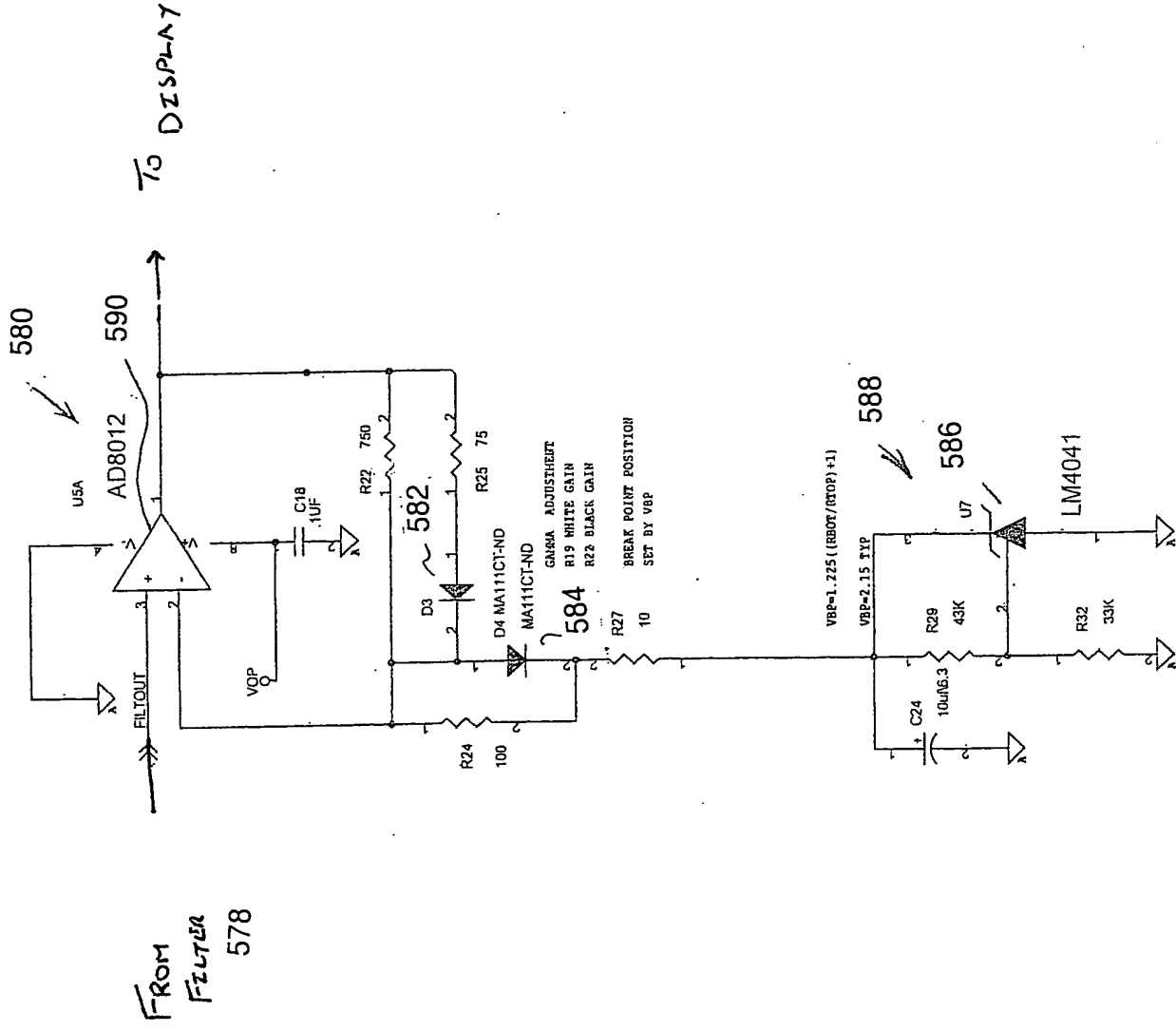


FIG. 28C

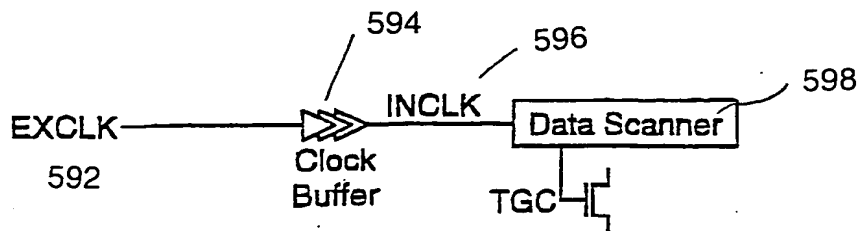


FIG. 29A

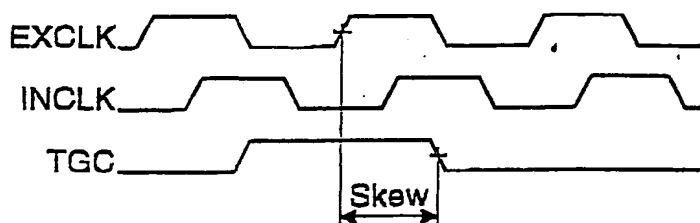


FIG. 29B

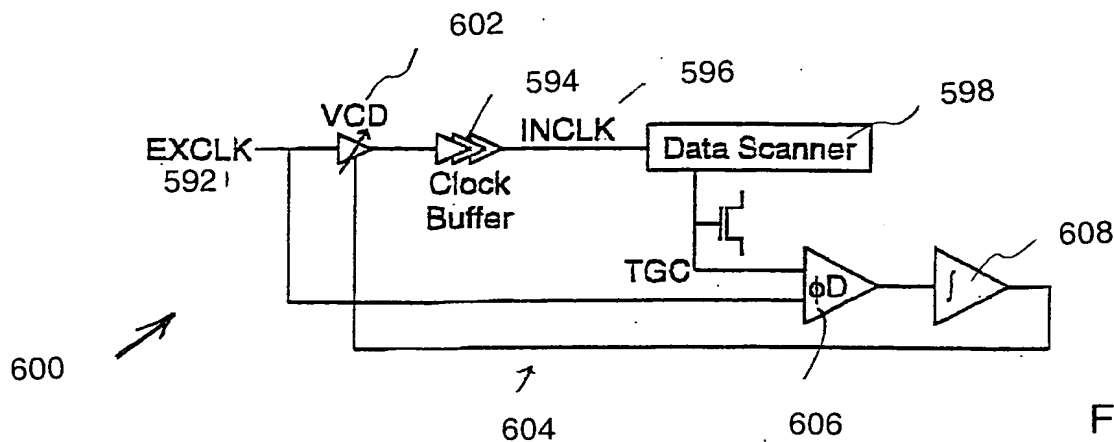


FIG. 29C

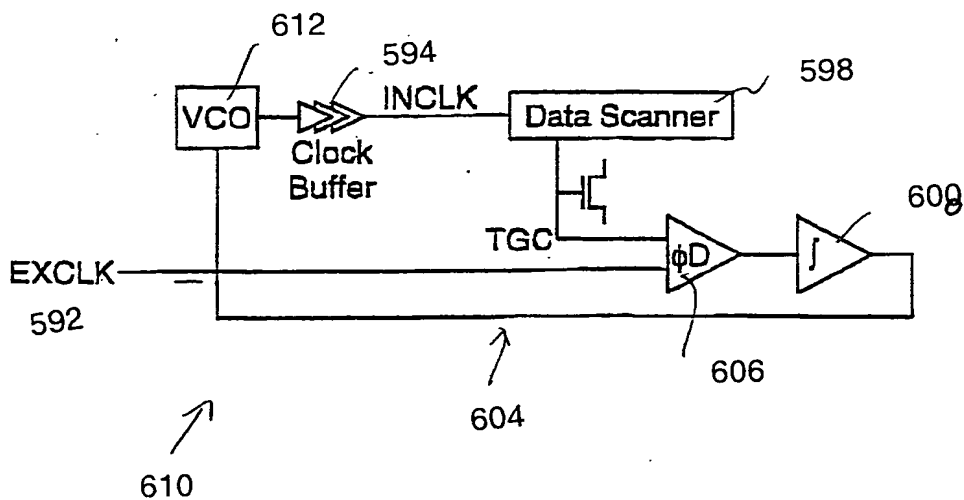


FIG. 29D

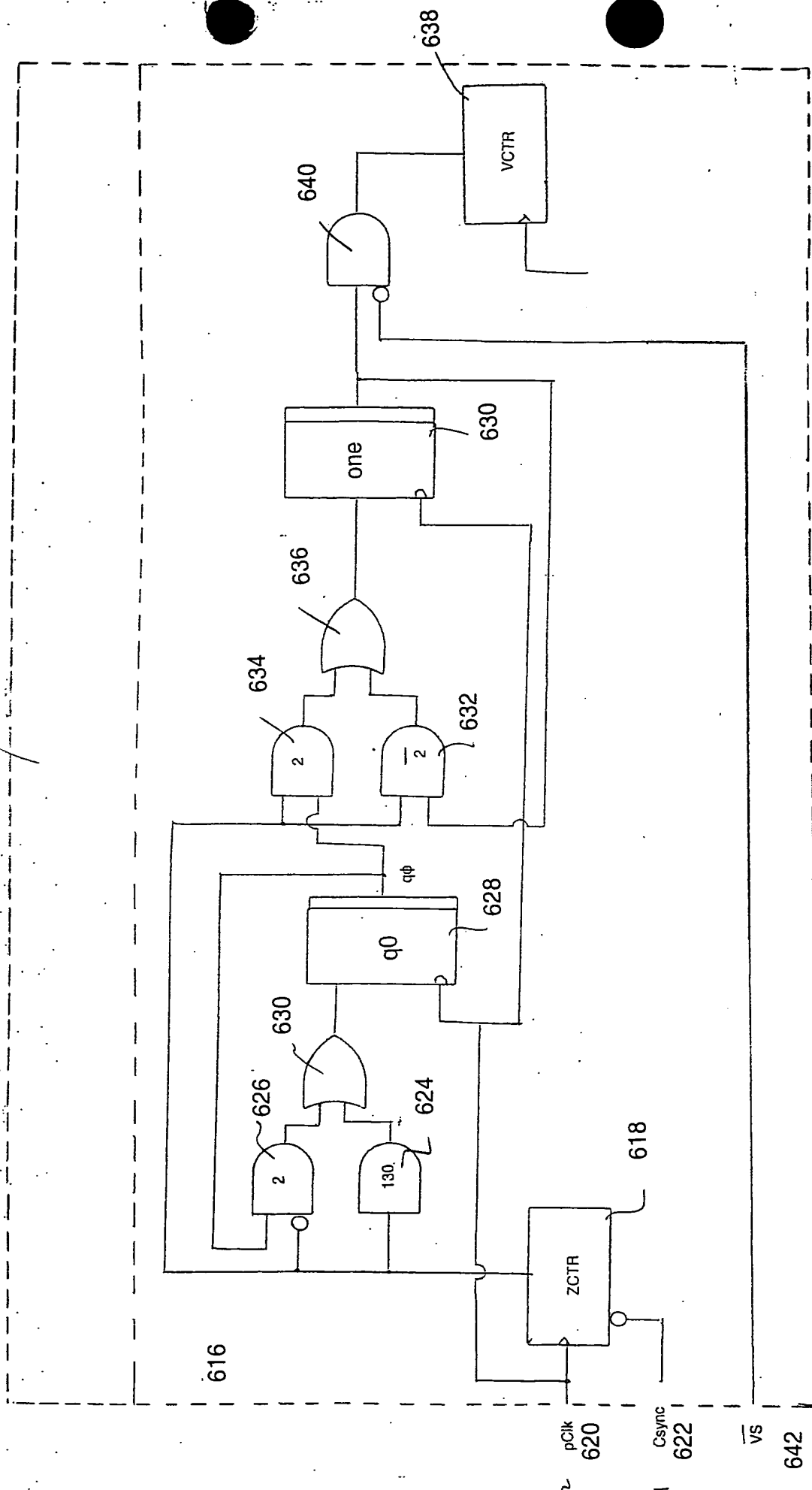


FIG. 30



more

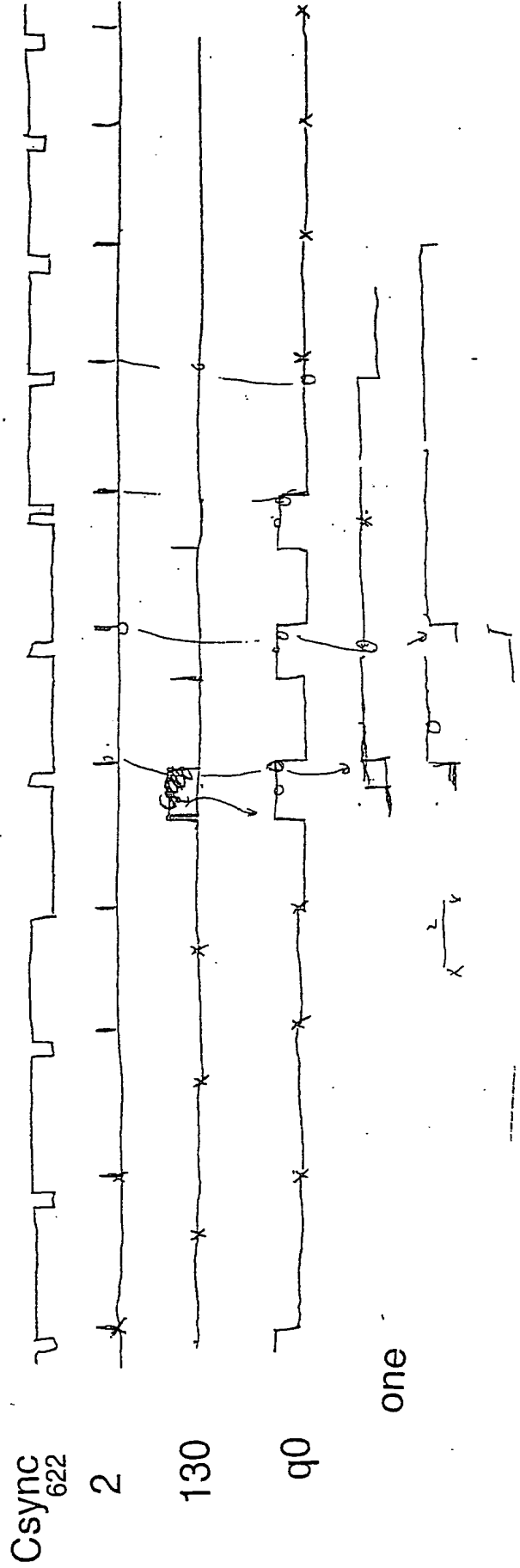


FIG. 31:

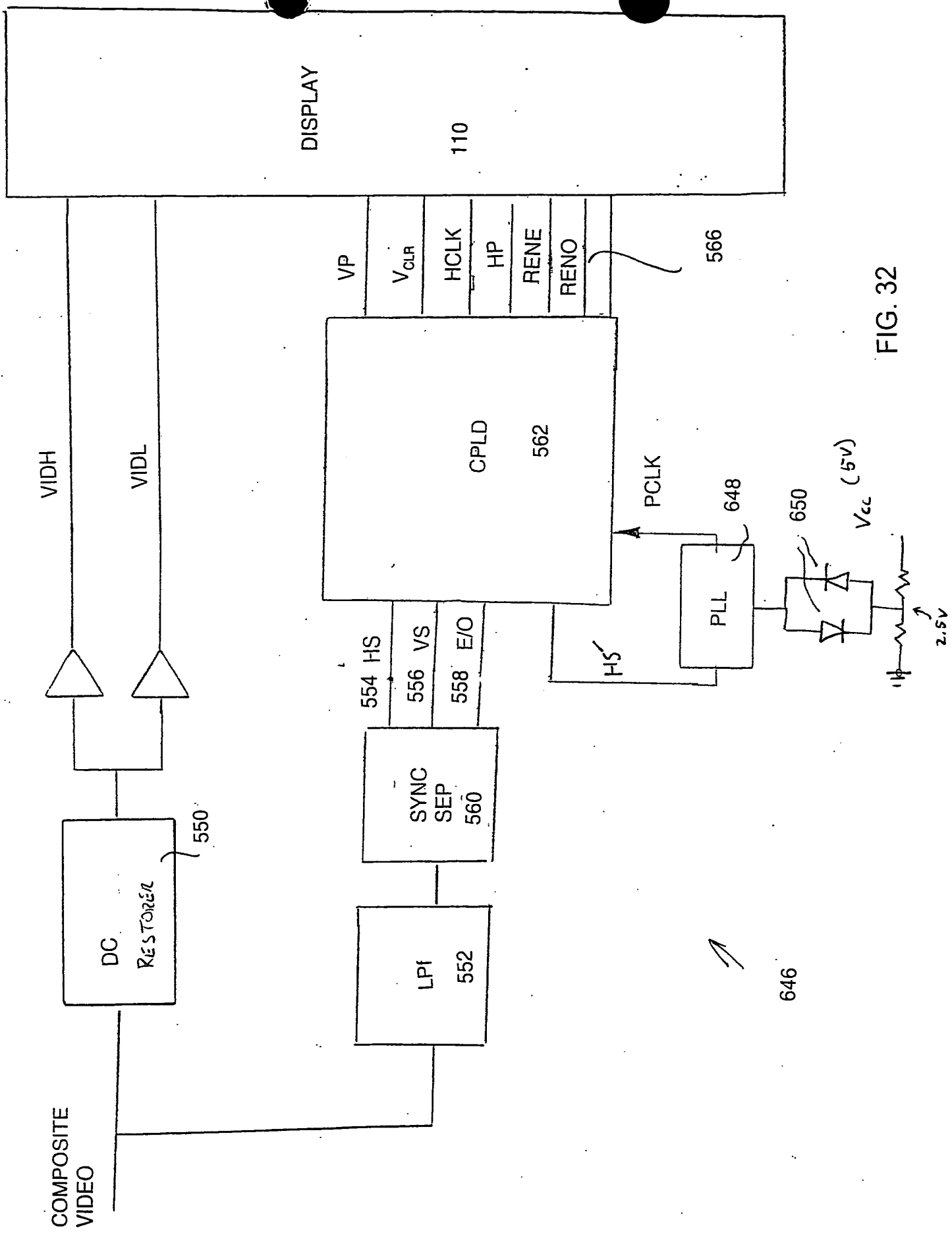


FIG. 32

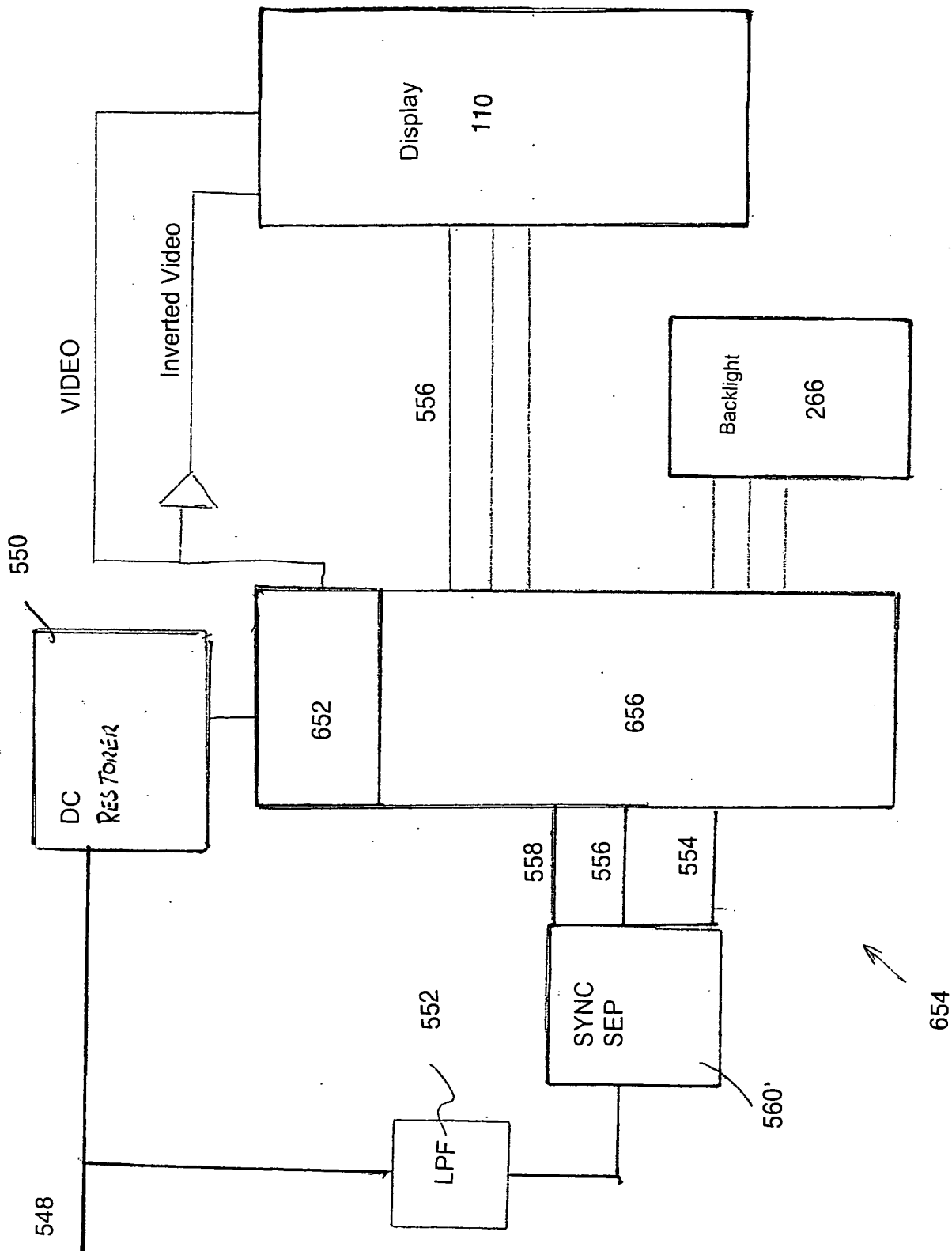


FIG. 33

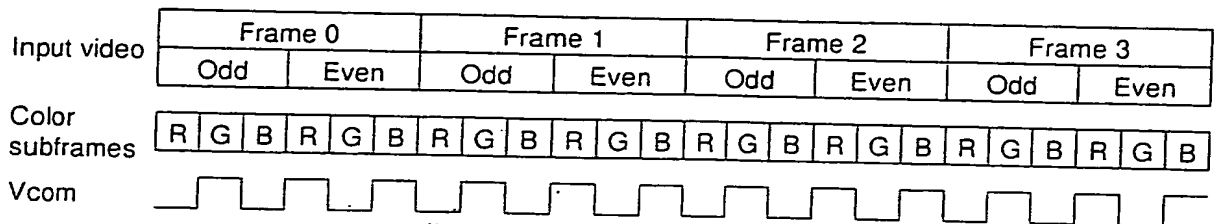


FIG. 34A

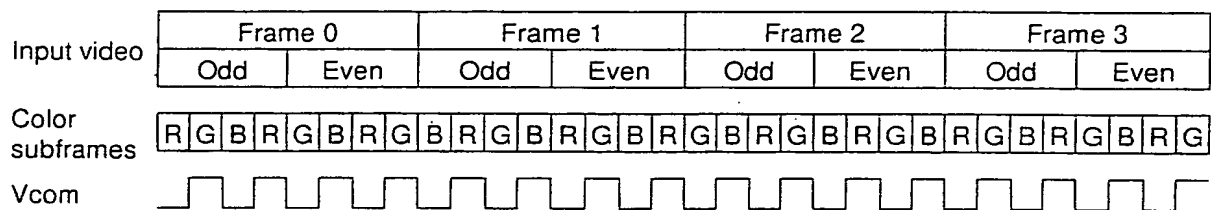
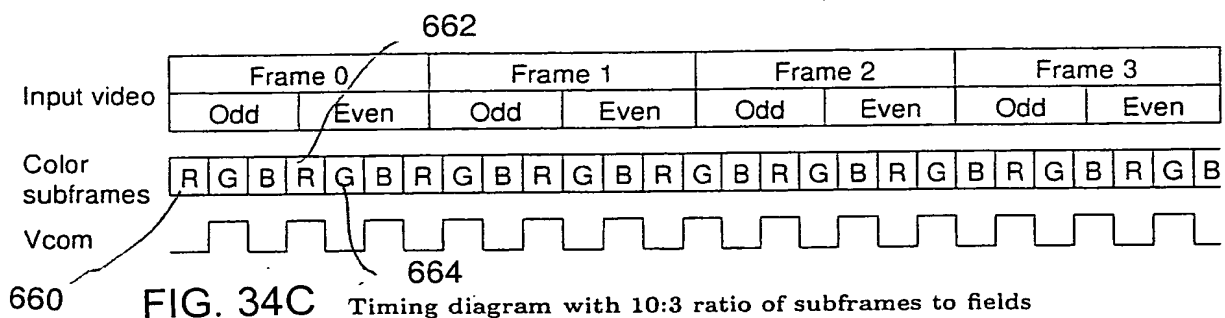


FIG. 34B



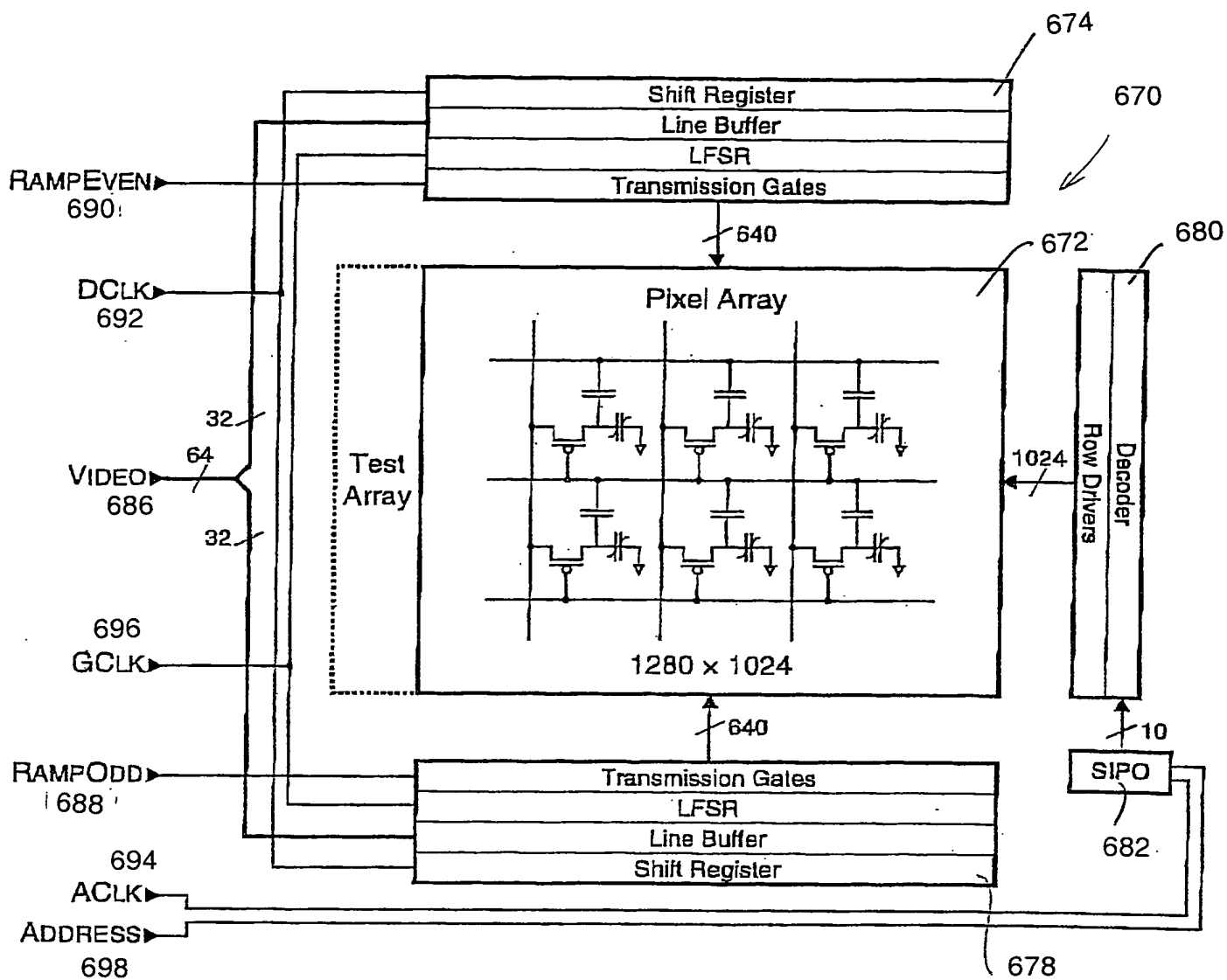


FIG. 35A

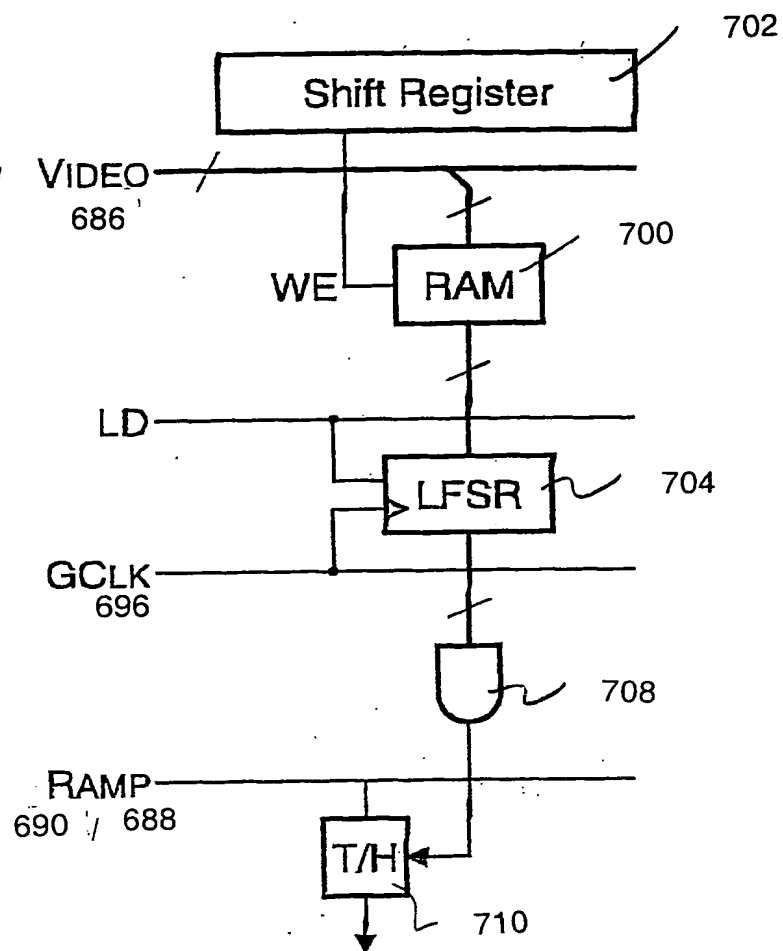


FIG. 35B

654T2T 09609450

720

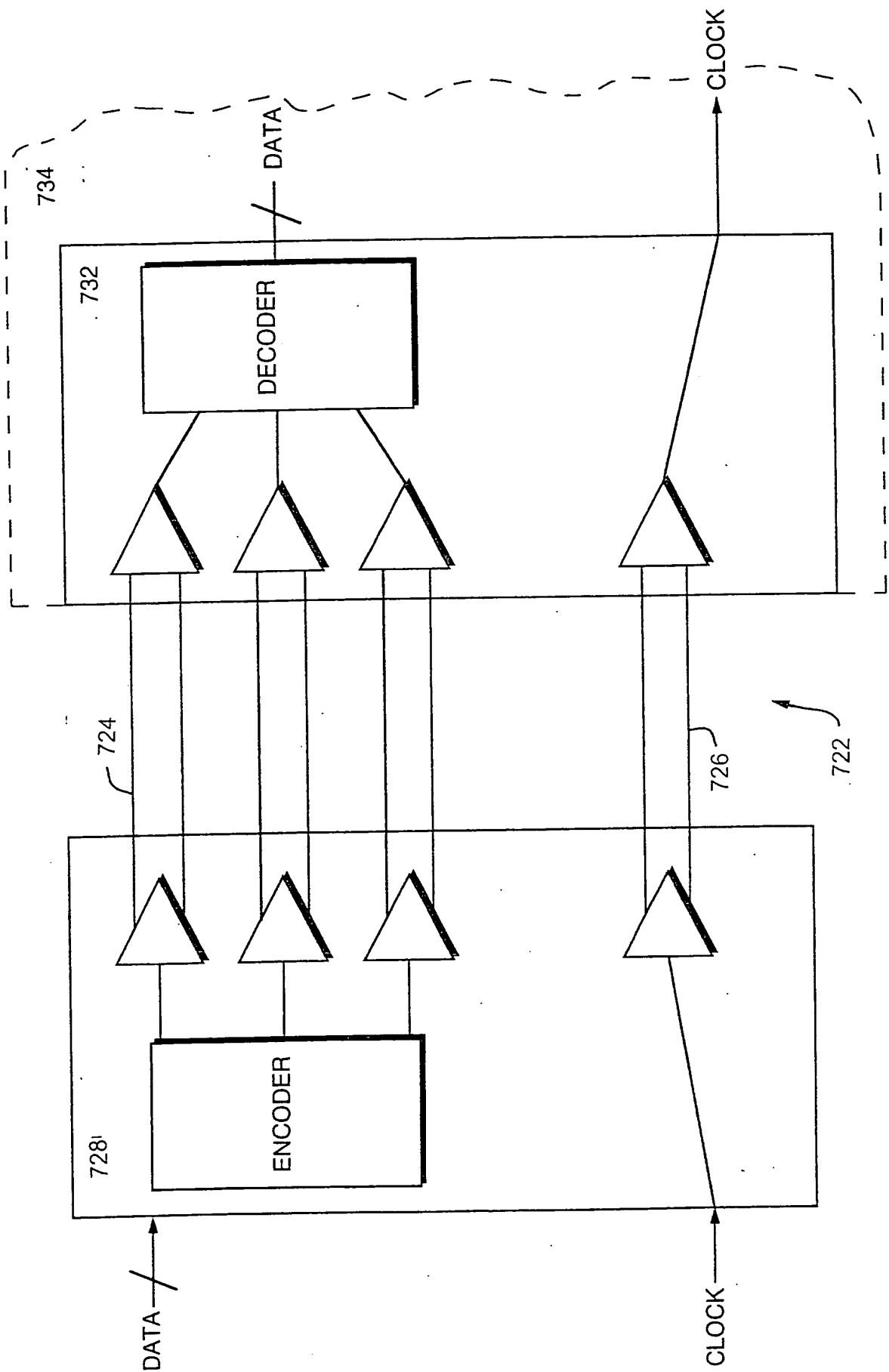


FIG. 36

654777 09600460

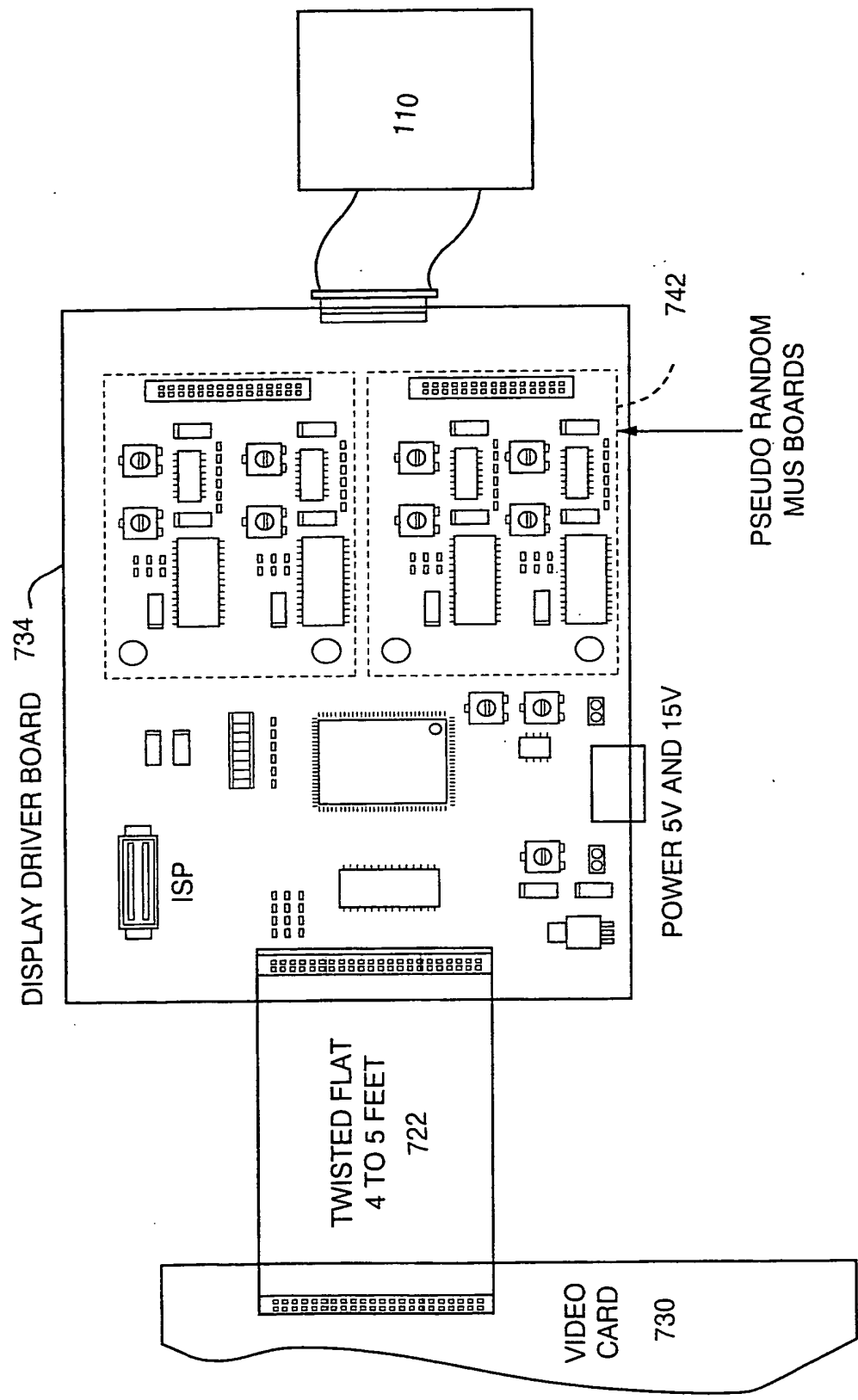


FIG. 37A





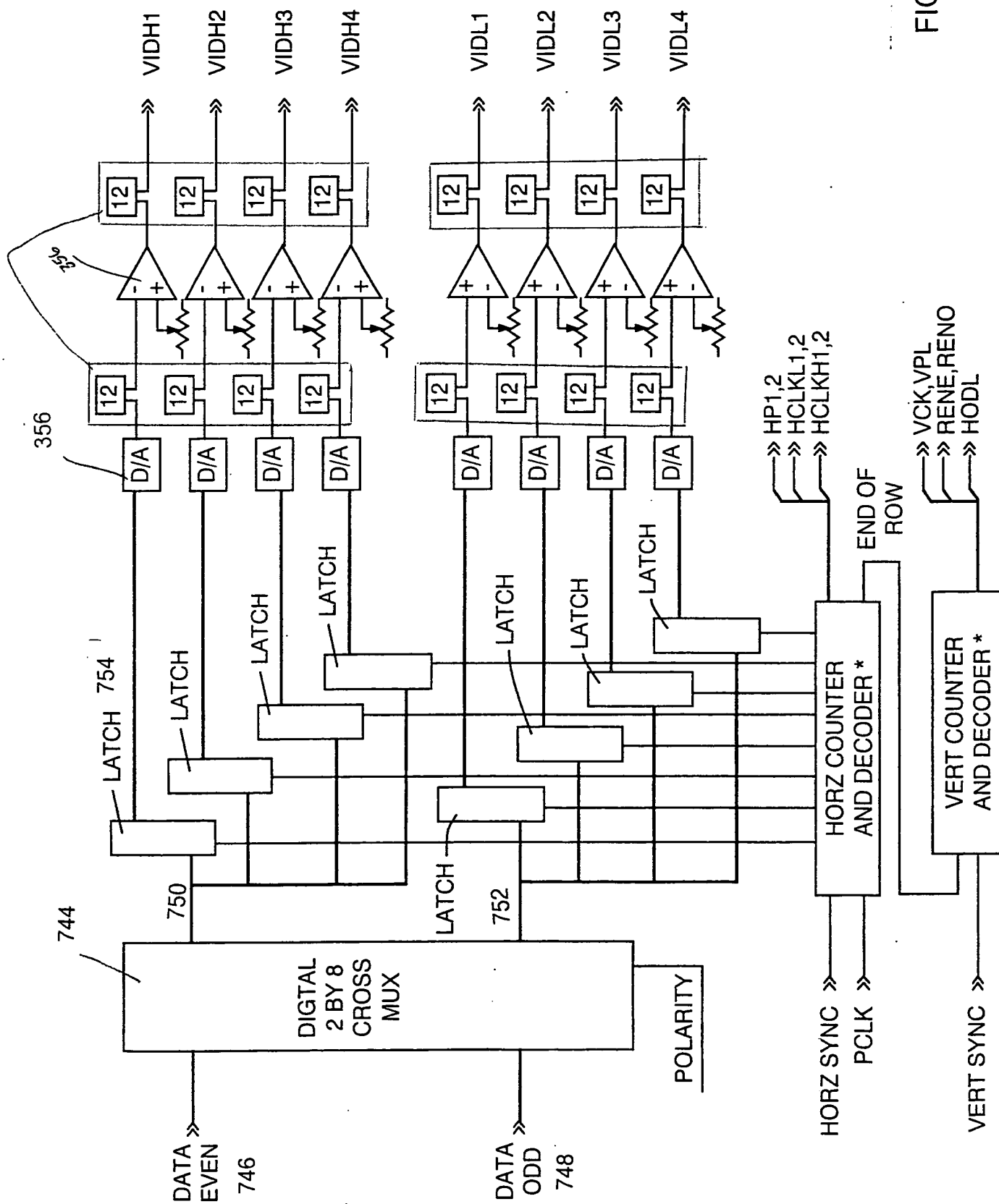


FIG 37B

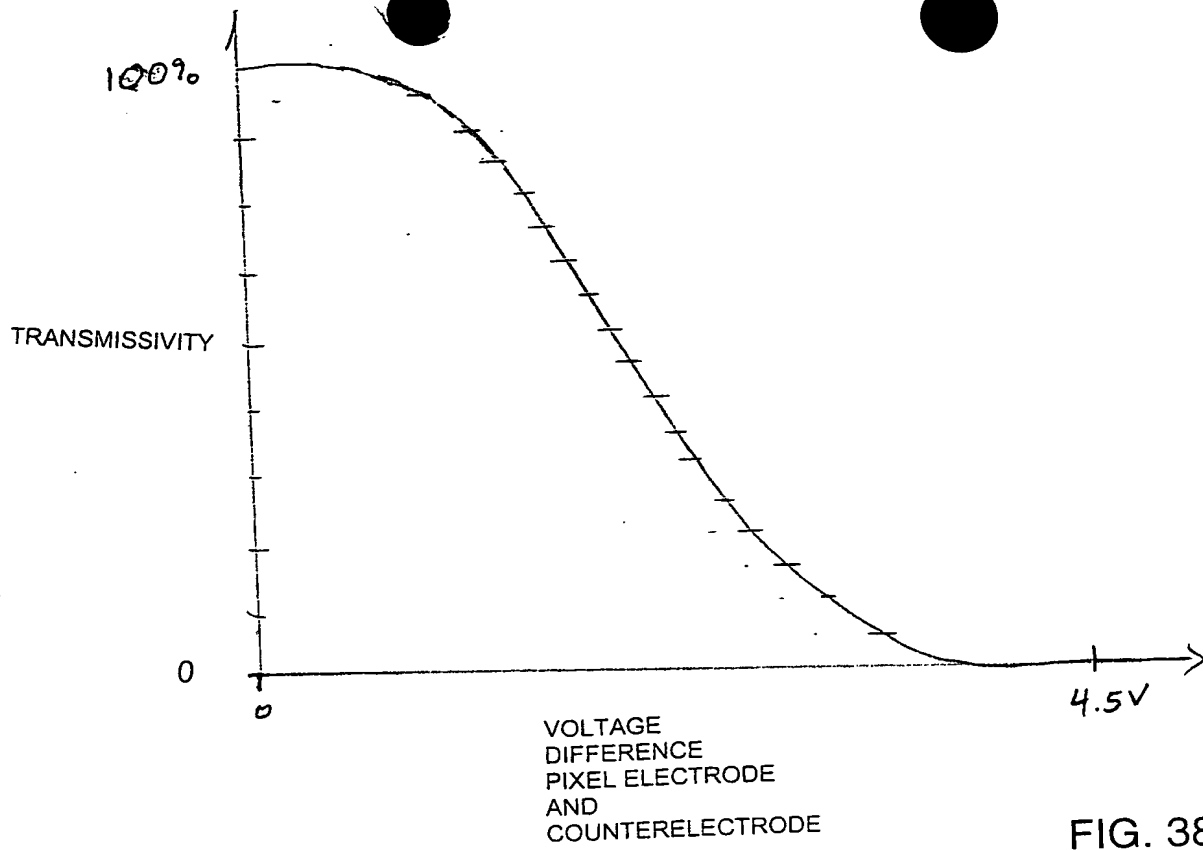


FIG. 38A

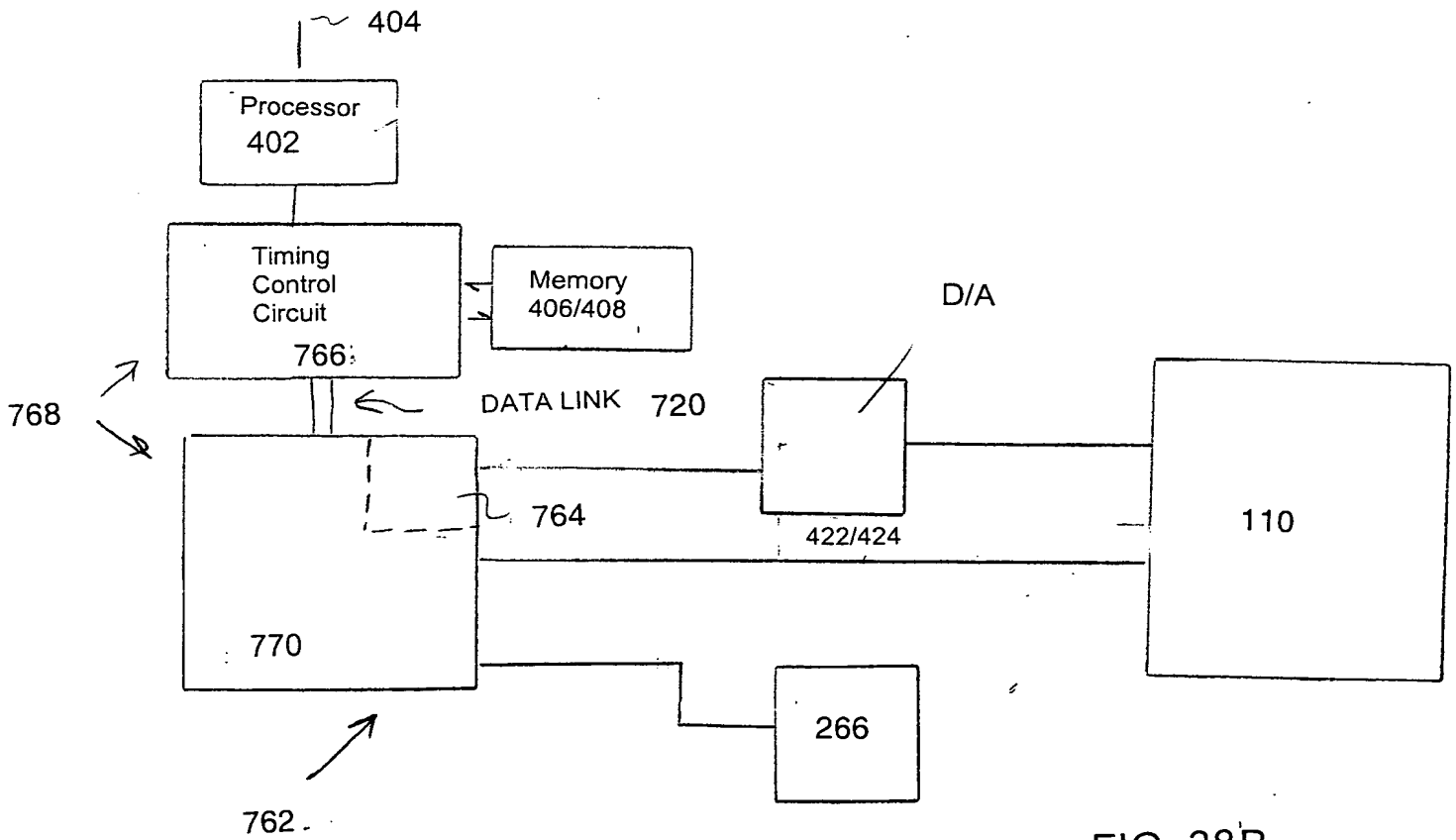


FIG. 38B

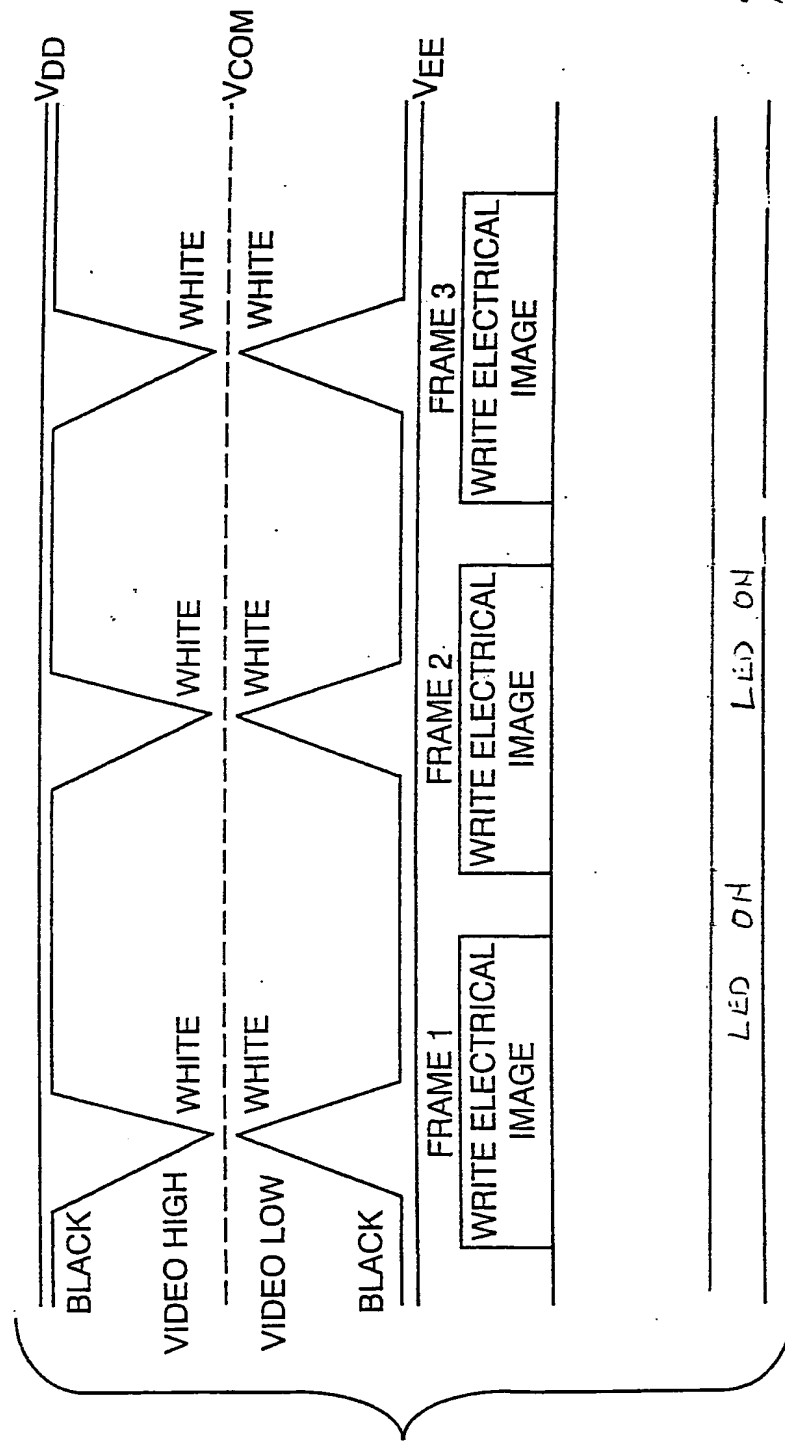
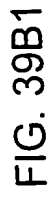


FIG. 39A

LED 270  
ALWAYS  
ON



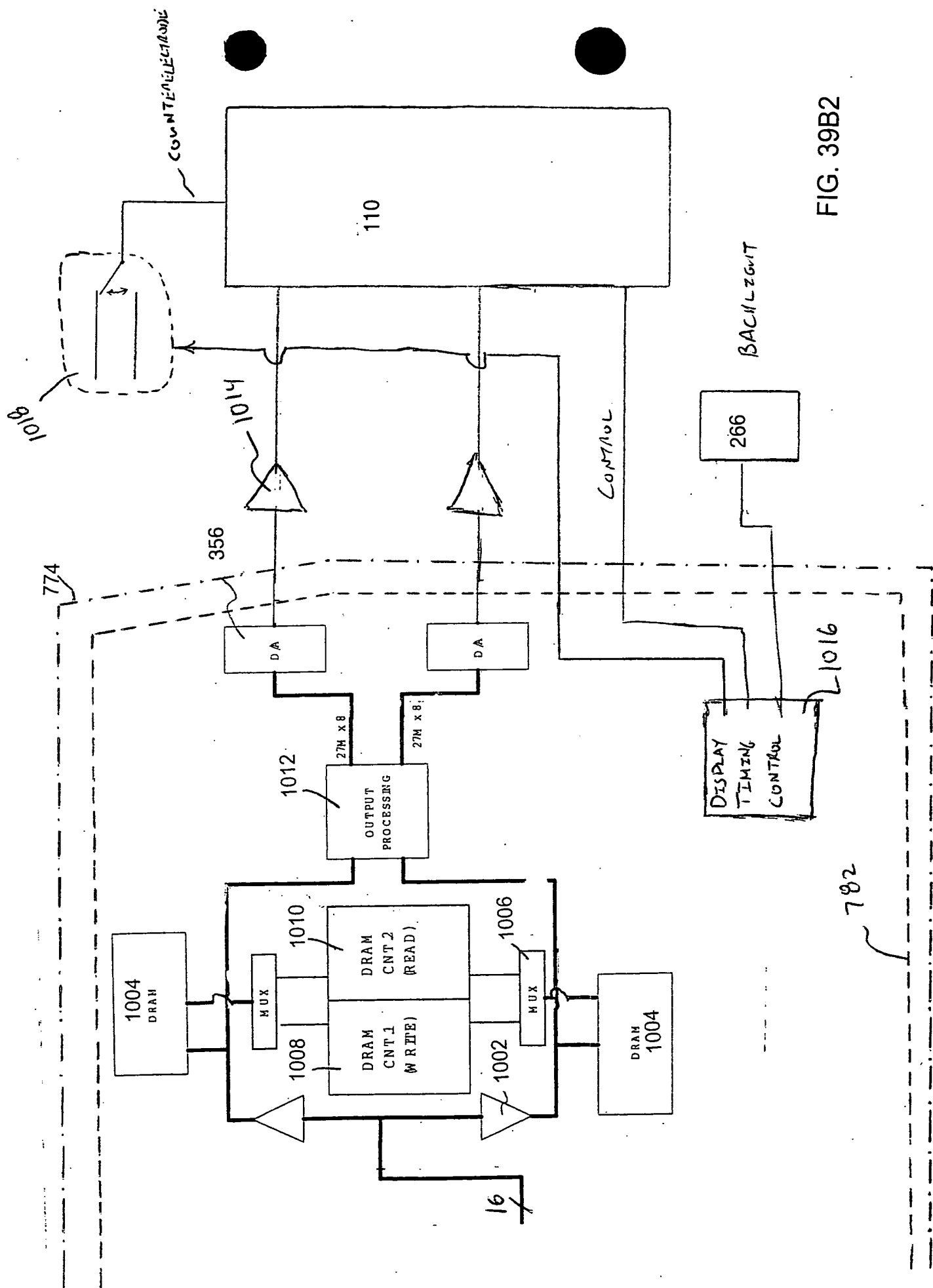


FIG. 39B2

Input Pixel Stream

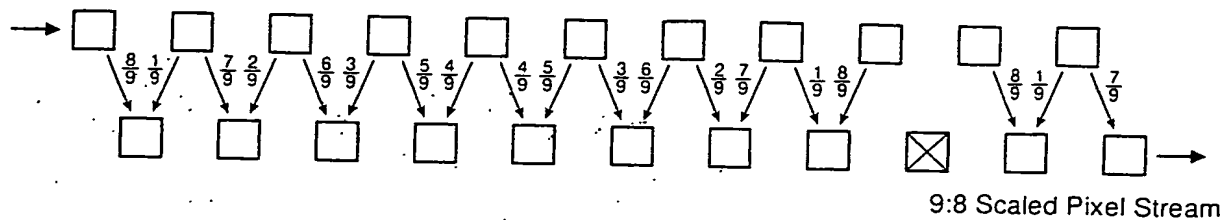


FIG. 39C 9:8 Horizontal Scaling by Interpolation

Input Lines

6:5 Scaled Lines

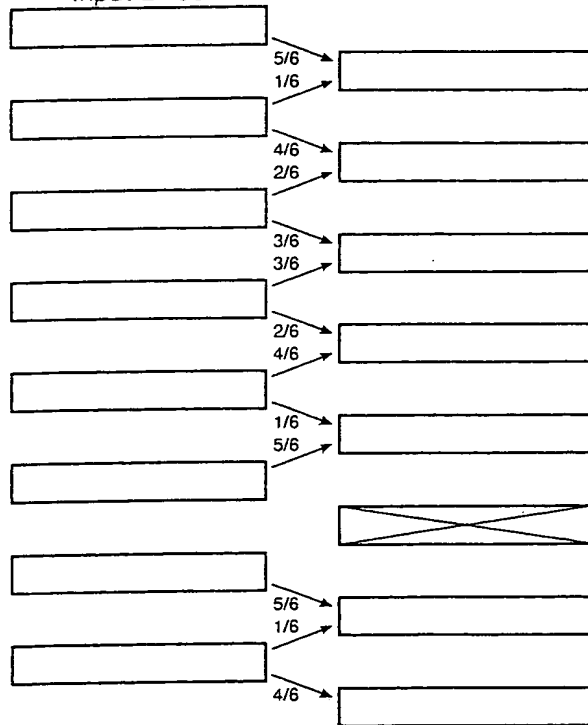


FIG. 39D 6:5 Vertical Scaling by Interpolation

20160306 14:39 65477 00509460

Input Pixel Stream

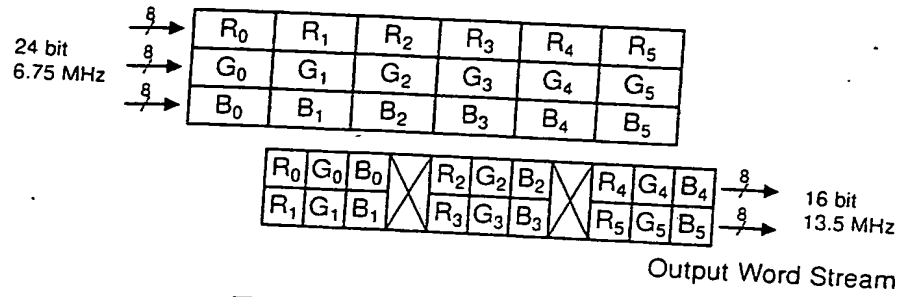


FIG. 39E Pixel Pairing

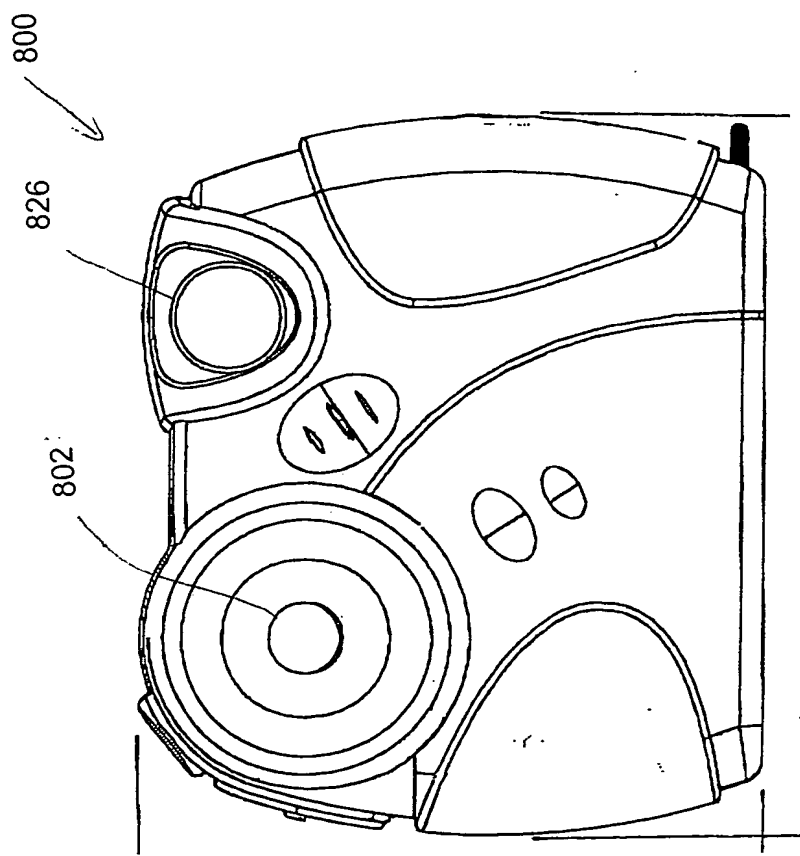


FIG. 40A

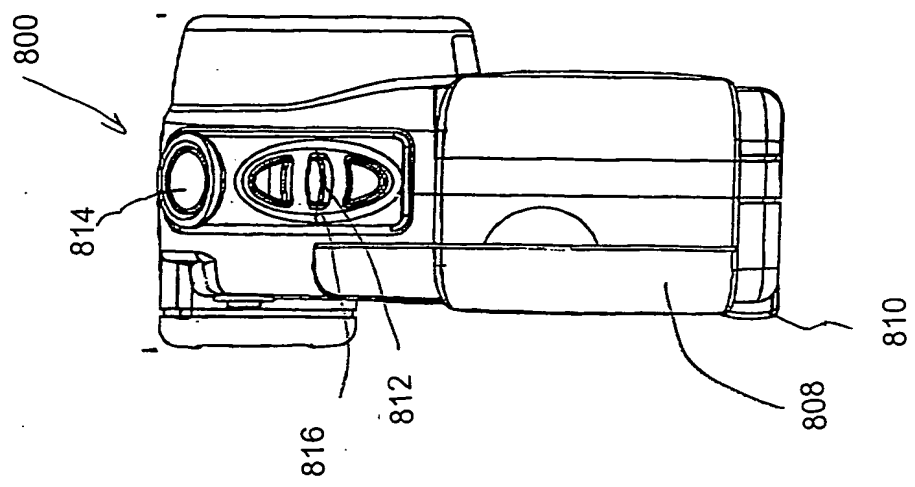


FIG. 40C



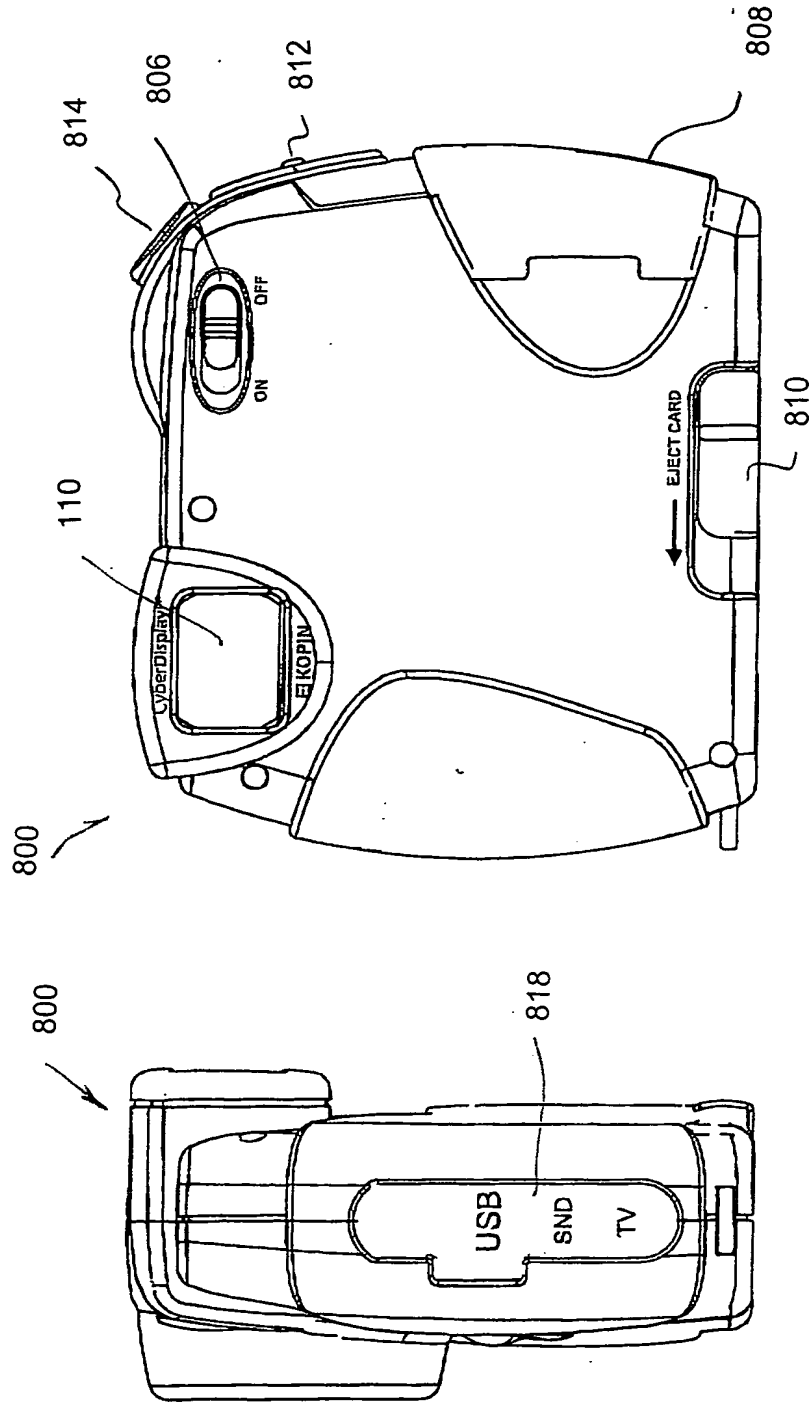
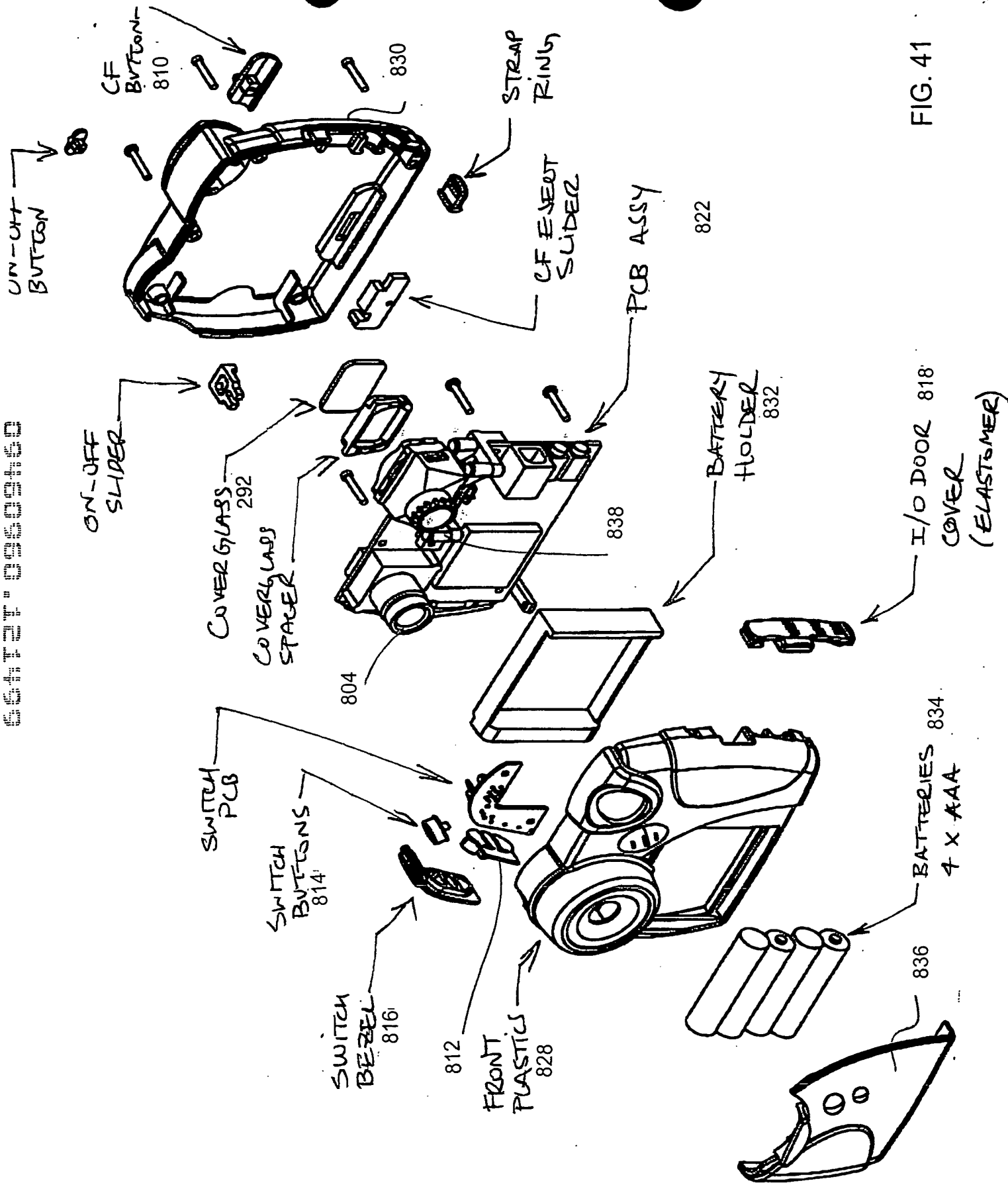


FIG. 40D

FIG. 40B



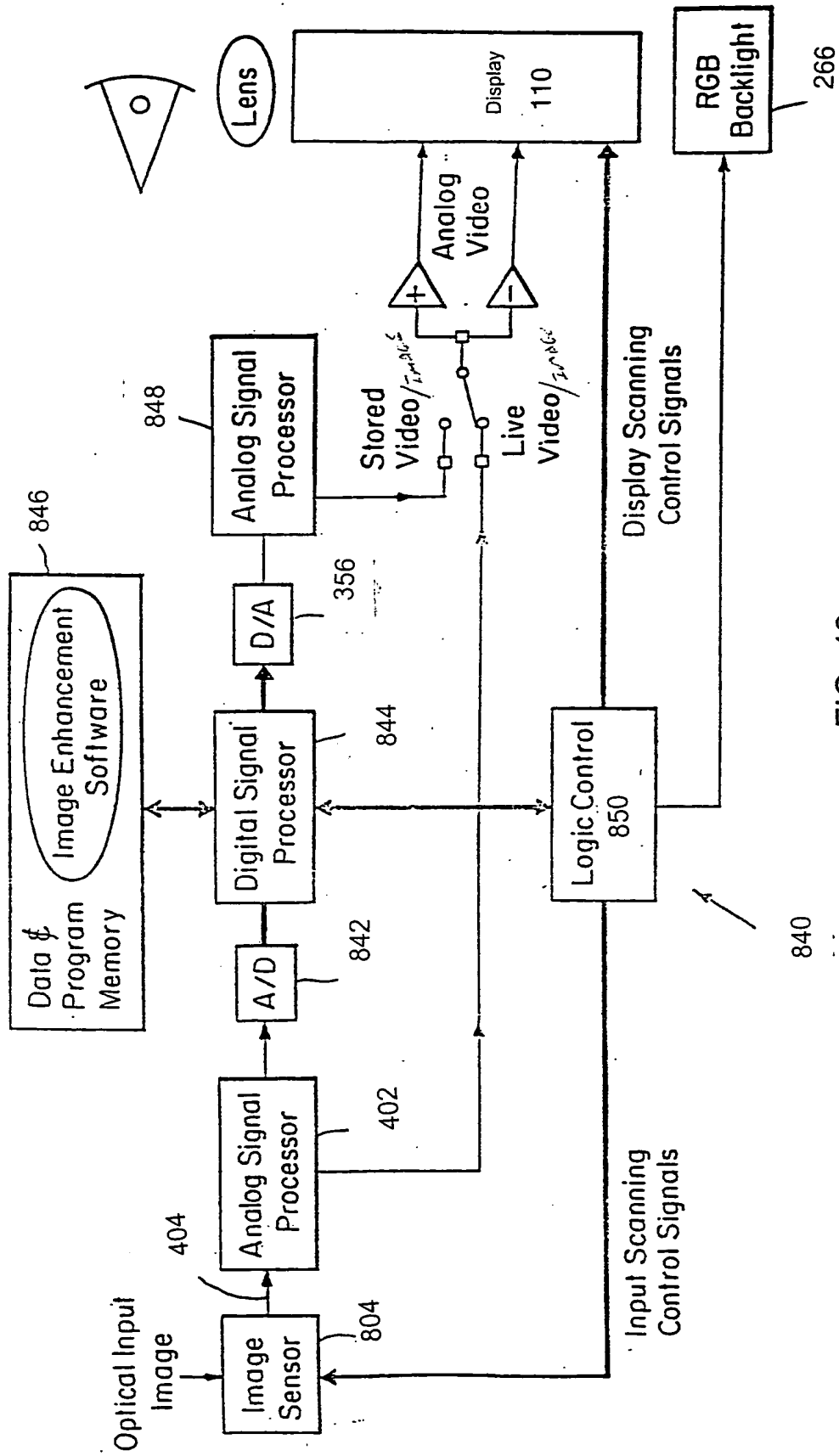


FIG. 42

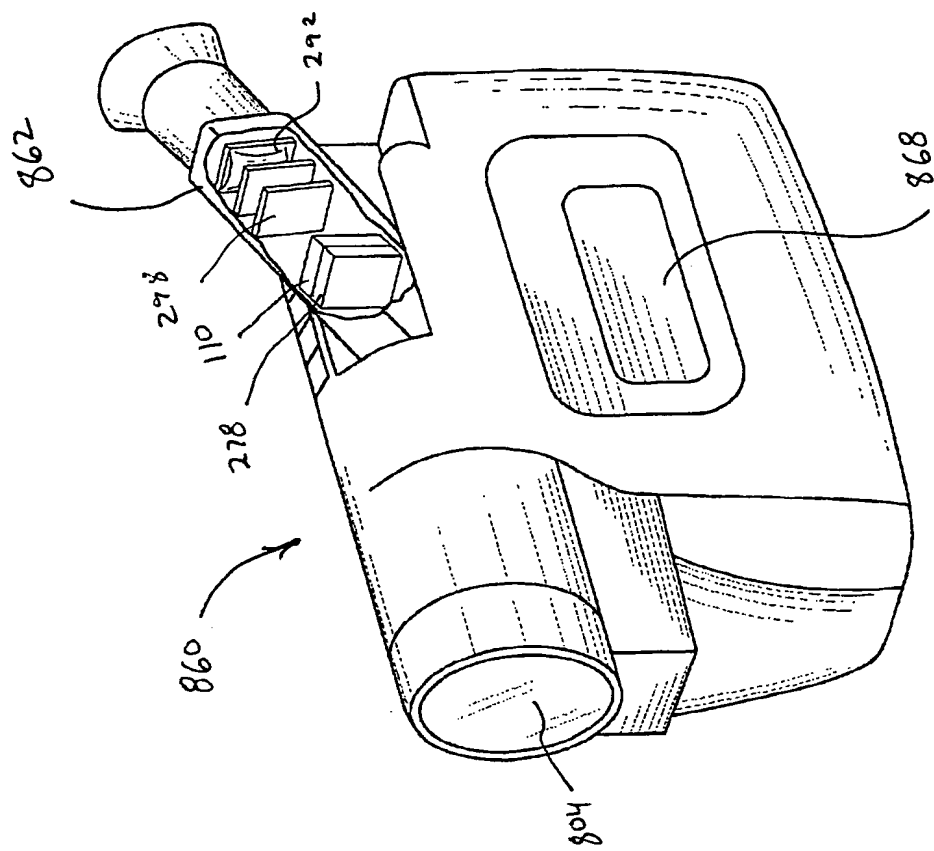
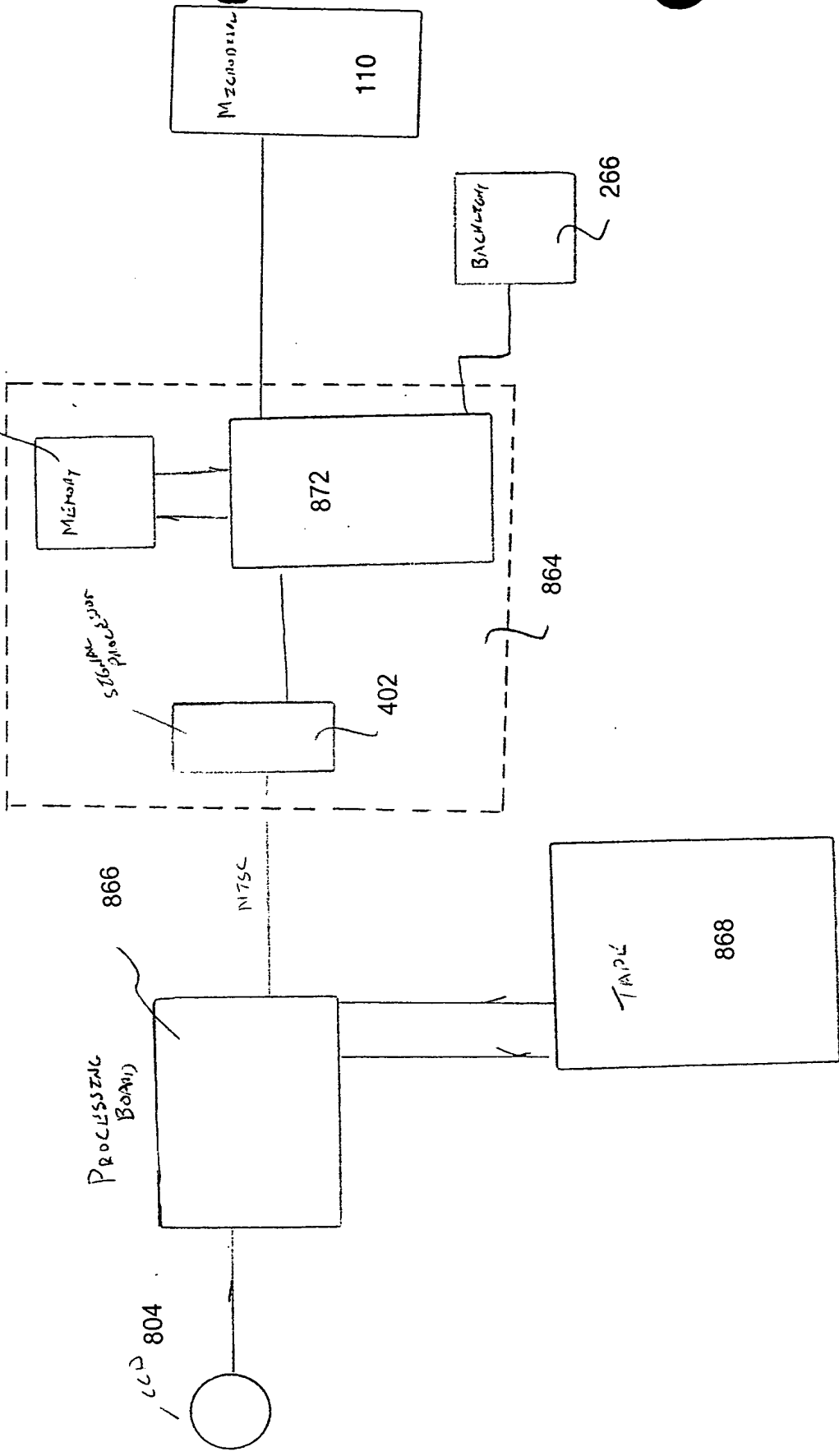


FIG. 43

FIG. 44



05460560 121499

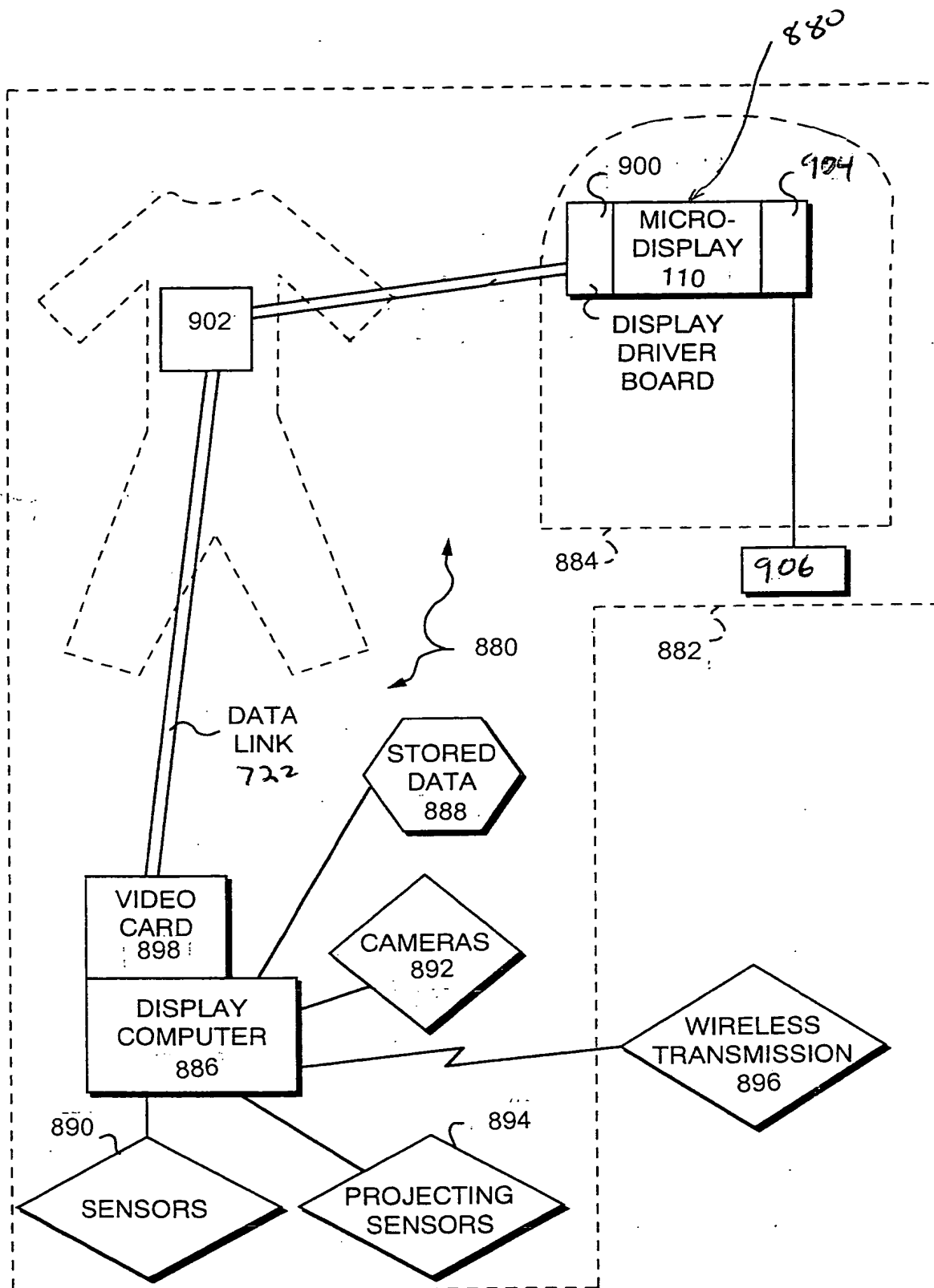


FIG. 45

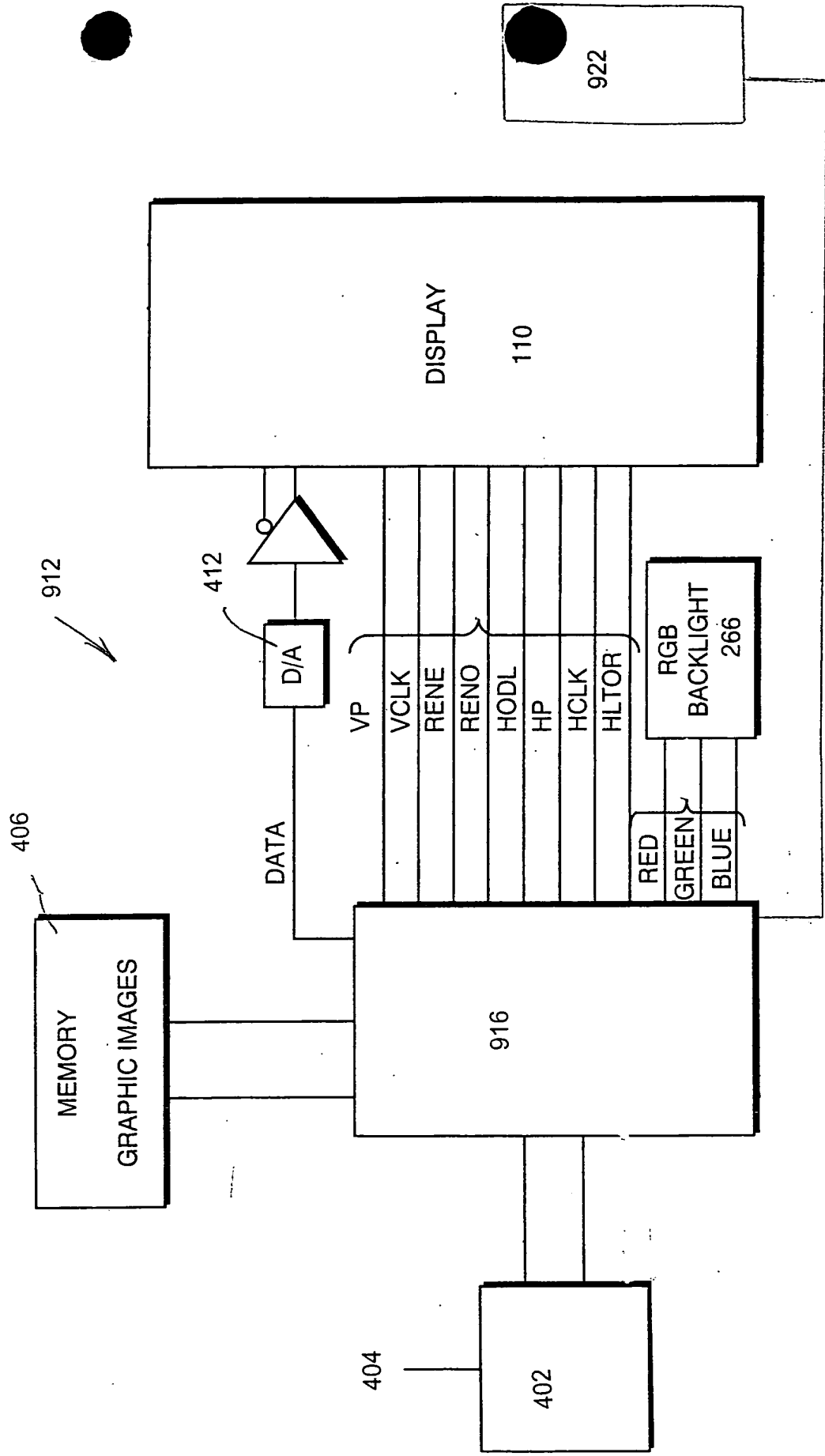


FIG. 46

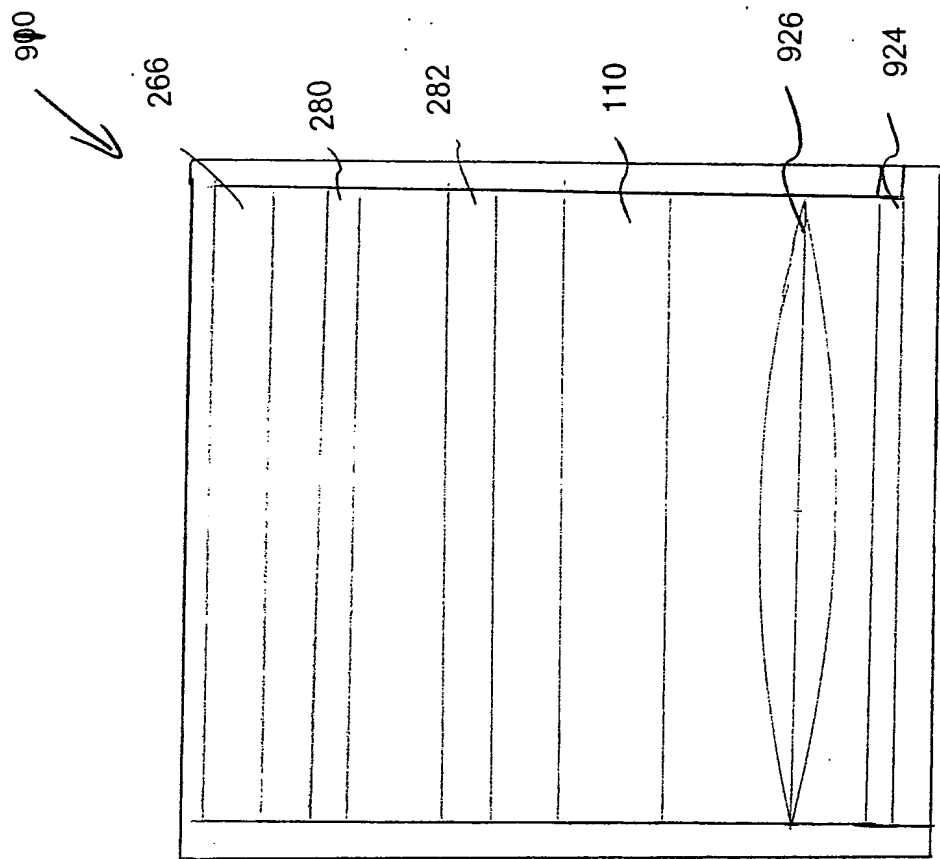


FIG. 47



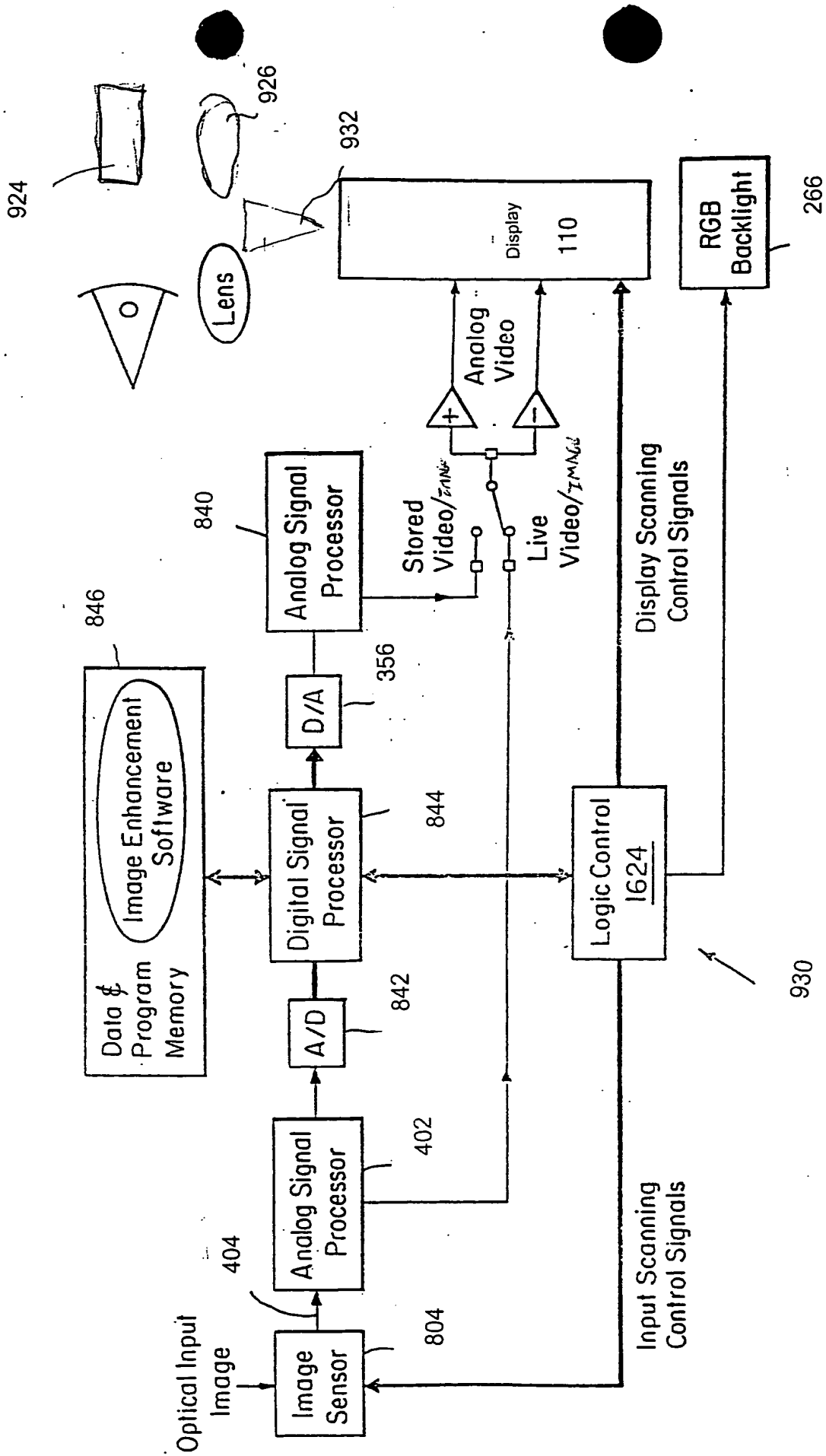


FIG. 48

554T2T 09609460

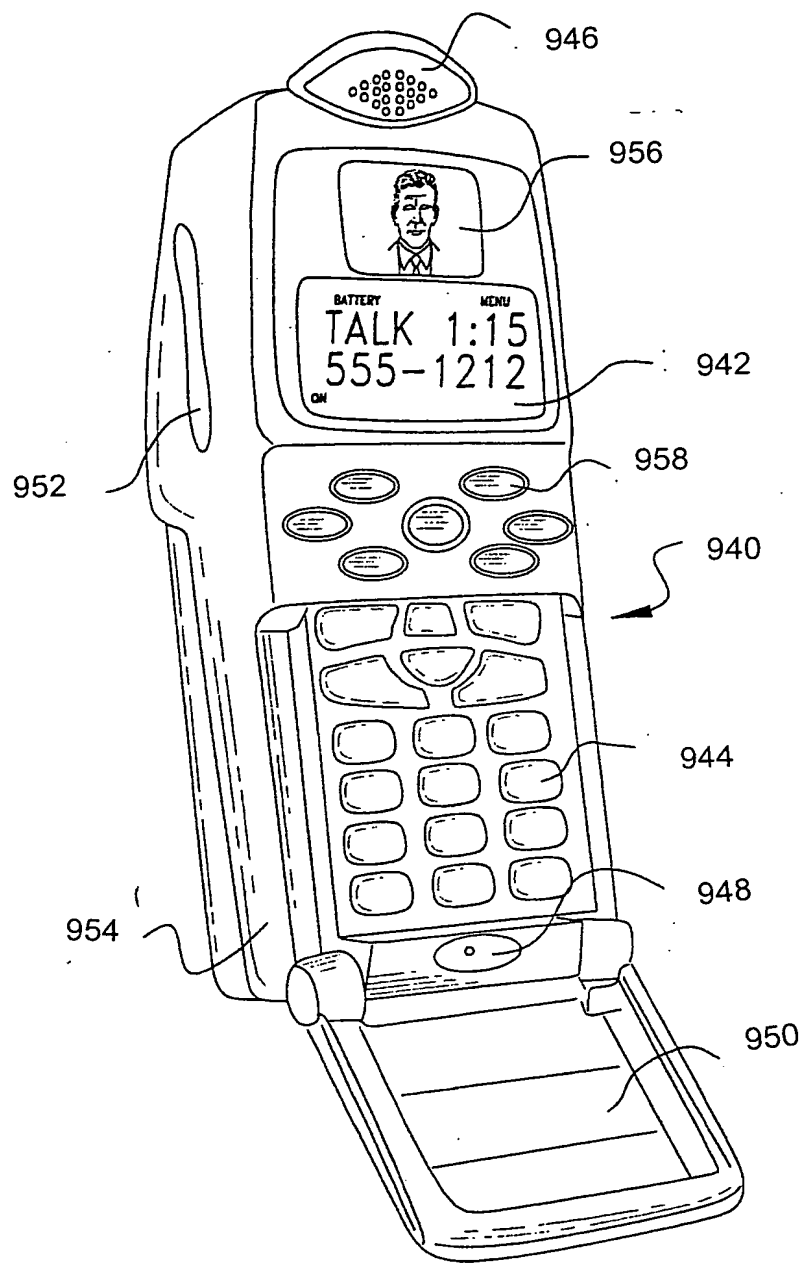


FIG. 49A

05460960-12140  
05460960-12140

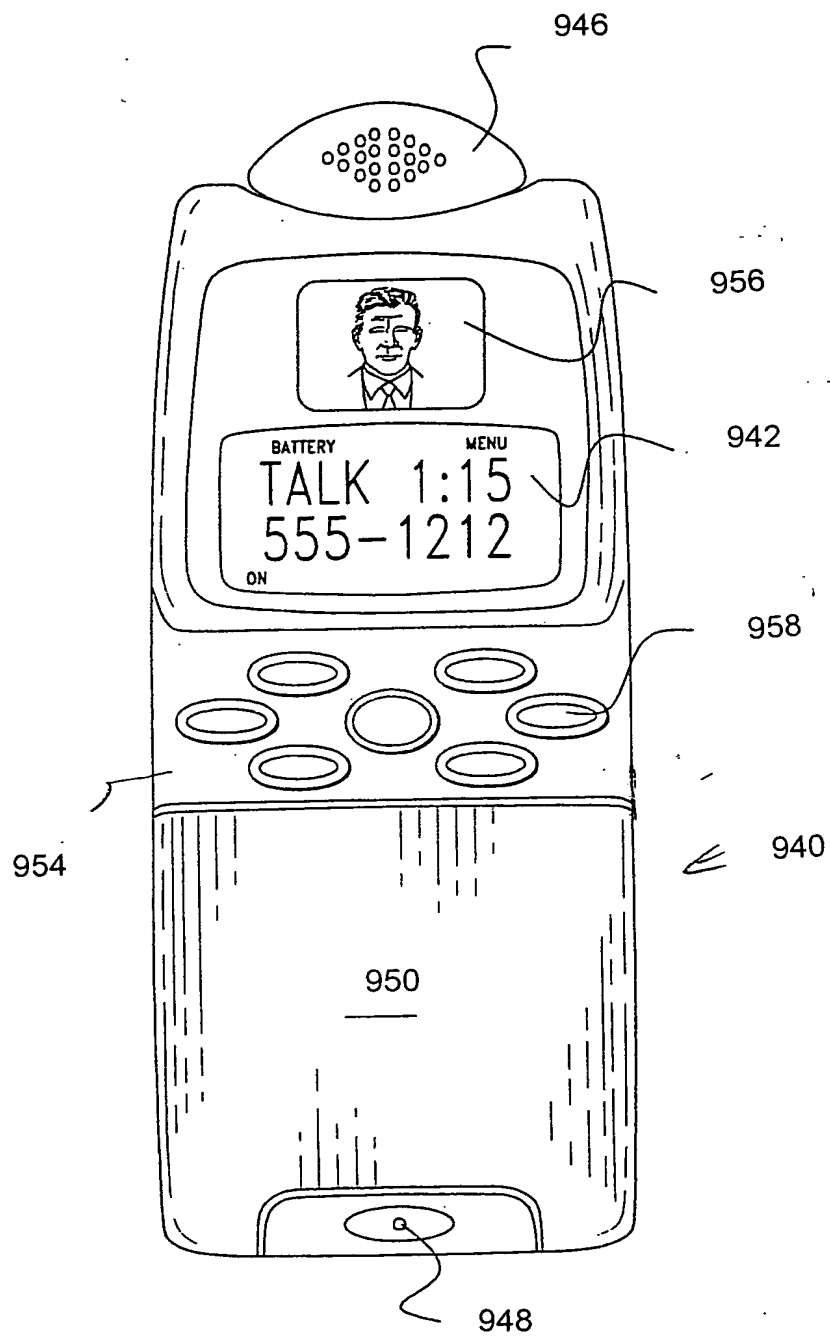


FIG. 49B

03460360-121493

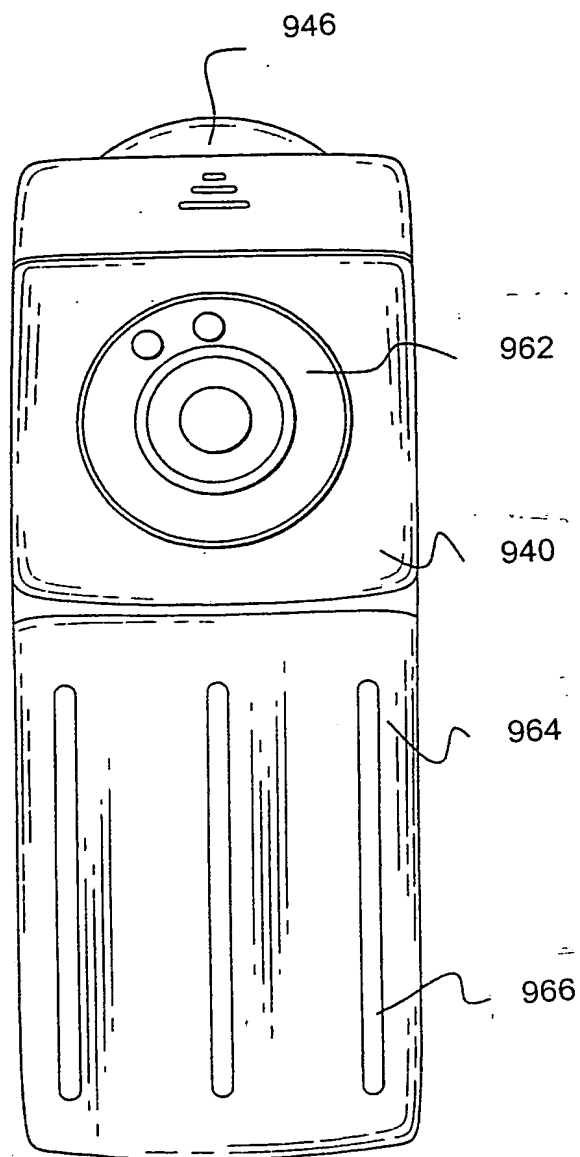
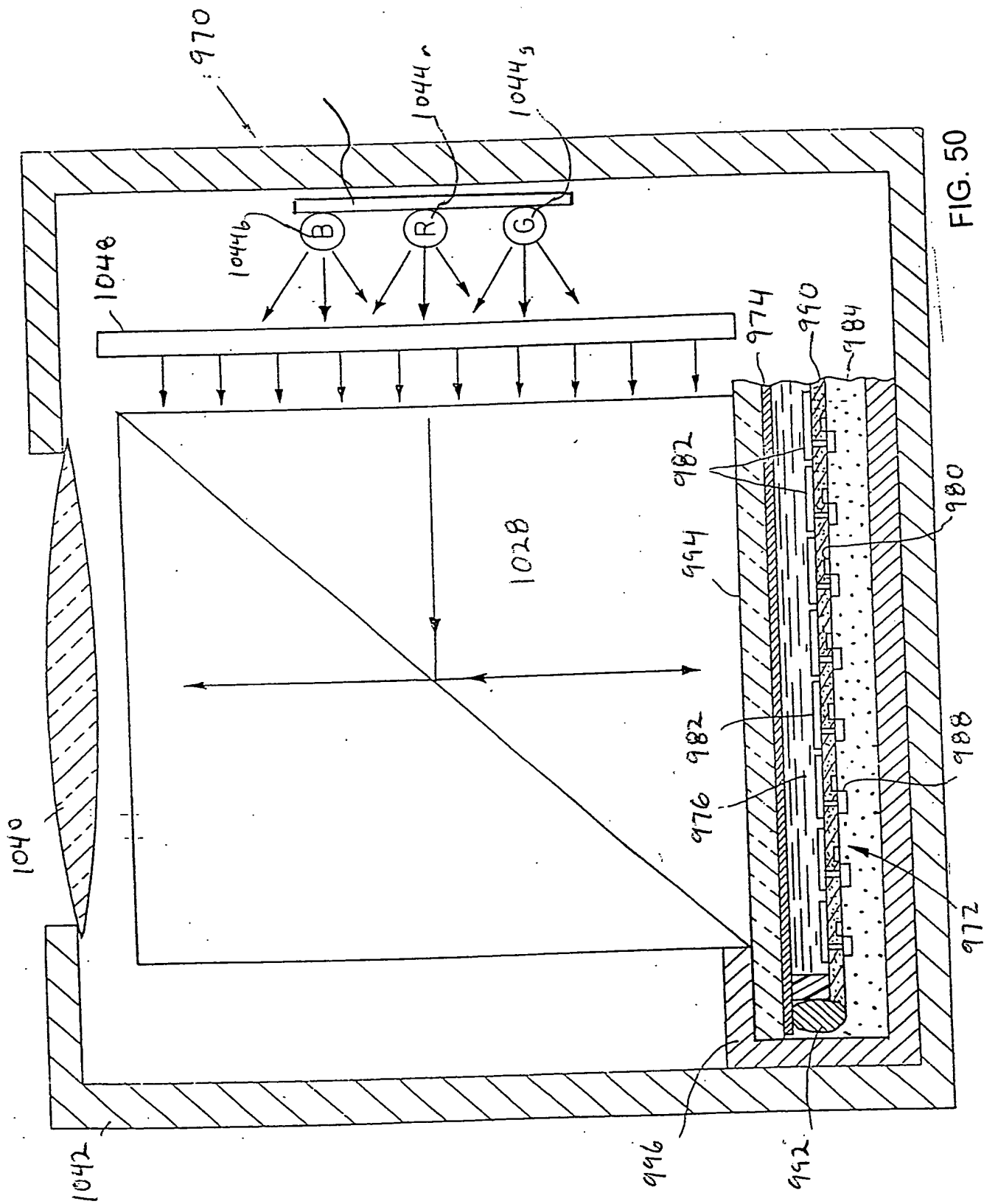


FIG. 49C



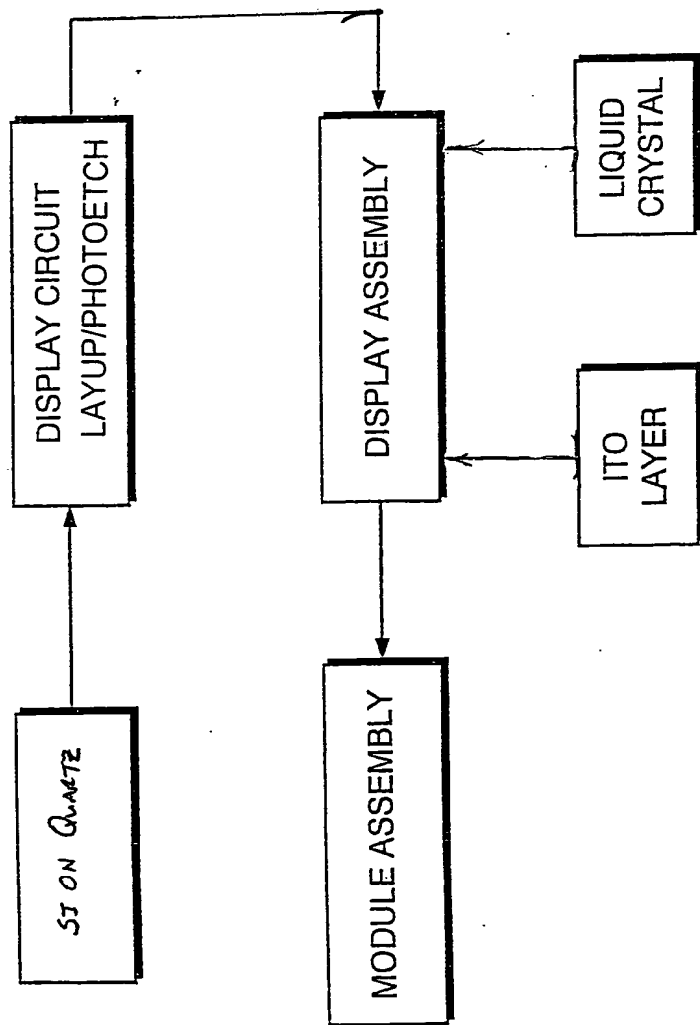


FIG. 51